VGN-AX570G/AX580G/BX540BH/BX540BW/BX540W/BX541B/BX543B/BX545FP/BX546B/BX560B/BX560BH/BX561B/BX563B/BX565B/BX567B/BX570BH/BX575B VGN-BX194VP/BX195SP/BX195VP/BX195XP/BX196SP/BX196VP/BX196XP/BX196XP/BX197XP VGN-BX143C/BX143CP/BX145CP/BX165CP/BX168GP/BX178CP

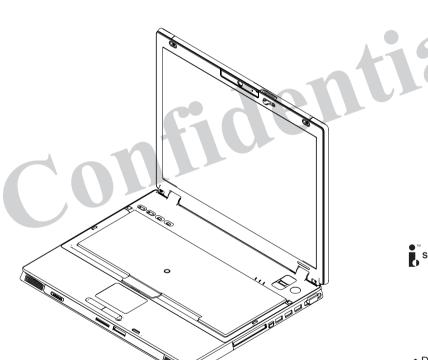
SERVICE MANUAL

Ver 4-2005L

Revision History

Area	Model	Lineup	
		VGN-BX50PZ	1 <u>∧</u> [M.
Japanese	Japanese	VGN-BX90PS	<u></u> (M.
Japanese	Japanese	VGN-BX90PS*	
		VGN-BX90S*	╝.
		VGN-AX570G	Ţ.[M
		VGN-AX580G	<u></u> ∆ [M.
		VGN-BX540B*	
		VGN-BX540BH*	
		VGN-BX540BW*	
		VGN-BX540W*	
		VGN-BX541B	
		VGN-BX543B	
		VGN-BX546B	Ι.
American	US/Canadian	VGN-BX560B*	<u></u> △ [M
		VGN-BX560BH*	<u></u> ⚠ [M
		VGN-BX561B	<u></u> ∆ [M
		VGN-BX563B	⚠ [M
		VGN-BX565B	⚠ [M
		VGN-BX567B	<u></u> ⚠ [M
		VGN-BX570B*	△ [M
		VGN-BX570BH*	<u></u> ∧ [M
		VGN-BX575B	<u></u> ⚠ [M
	Latin	VGN-BX545FP	
		VGN-BX194VP	
		VGN-BX195EP	
		VGN-BX195SP	<u></u> [M
		VGN-BX195VP	
European	AEP/UK	VGN-BX195XP	<u></u>
		VGN-BX196SP	<u></u>
		VGN-BX196VP	<u>∧</u> [M
		VGN-BX196XP	<u></u> ♠[M
		VGN-BX197XP	<u></u>
	International	VGN-BX168GP	
		VGN-BX143C	<u></u> <u></u> ∆ [M
Asian/Oceania/		VGN-BX143CP	<u></u> △ [M
South Africa	Chinese	VGN-BX145CP	<u></u> △ [M
		VGN-BX165CP	<u></u> △ [M
		VGN-BX178CP	<u></u> (M

* : CTO mode





Bluetooth

 Design and specifications are subject to change without notice.

本機の仕様および外観は、改良のため予告なく 変更することがありますが、ご了承ください。

PERSONAL COMPUTER



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<u>Caution Markings for Lithium/Ion Battery</u> - The following or similar texts shall be provided on battery pack of equipment or in both the operating and the service instructions.

CAUTION: Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Discard used batteries according to the manufacturer's instructions.

CAUTION: The battery pack used in this device may present a fire or chemical burn hazard if mistreated. Do not disassemble, heat above 100°C (212°F) or incinerate.

Dispose of used battery promptly. Keep away from children.

CAUTION: Changing the back up battery.

- Overcharging, short circuiting, reverse charging, multilation or incineration of the cells must be avoided to prevent one or more of the following occurrence; release of toxic materials, release of hydrogen and/or oxygen gas, rise in surface temperature.
- If a cell has leaked or vented, it should be replaced immediately while avoiding to touch it without any rotection.

Service and Inspection Precautions

1. Obey precautionary markings and instructions

Labels and stamps on the cabinet, chassis, and components identify areas requiring special precautions. Be sure to observe these precautions, as well as all precautions listed in the operating manual and other associated documents.

2. Use designated parts only

The set's components possess important safety characteristics, such as noncombustibility and the ability to tolerate large voltages. Be sure that replacement parts possess the same safety characteristics as the originals. Also remember that the \triangle mark, which appears in circuit diagrams and parts lists, denotes components that have particularly important safety functions; be extra sure to use only the designated components.

3. Always follow the original design when mounting parts and routing wires

The original layout includes various safety features, such as inclusion of insulating materials (tubes and tape) and the mounting of parts above the printer board. In addition, internal wiring has been routed and clamped so as to keep it away from hot or high-voltage parts. When mounting parts or routing wires, therefore, be sure to duplicate the original layout.

4. Inspect after completing service

After servicing, inspect to make sure that all screws, components, and wiring have been returned to their original condition. Also check the area around the repair location to ensure that repair work has caused no damage, and confirm safety.

5. When replacing chip components...

Never reuse components. Also remember that the negative side of tantalum capacitors is easily damaged by heat.

6. When handling flexible print boards...

- The temperature of the soldering-iron tip should be about 270°C.
- Do not apply the tip more than three times to the same pattern.
- Handle patterns with care; never apply force.

Caution: Remember that hard disk drives are easily damaged by vibration. Always handle with care.

ATTETION AU COMPOSANT AYANT RAPPORT

À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE A SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉSDANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

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History of the changes is shown as the "Revision History" at the end of this data.

変更履歴は、"Revision History"として、 本データ末に記載してあります。

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CHAPTER 1. SPECIFICATIONS

1-1. Specifications

Model	VGN-BX50PZ	VGN-BX90PS	VGN-BX90PS*	VGN-BX90S*
CPU	CelM/Do/370/1.50GHz	PM/Do/740/1.73GHz	CelM/Do/370/1.50GHz or	CelM/Do/370/1.50GHz of
		=	PM/Do/740/1.73GHz or	PM/Do/740/1.73GHz or
			PM/Do/760/2GHz or	PM/Do/760/2GHz or
			PM/Do/780/2.26GHz	PM/Do/780/2.26GHz
Chipset	Intel 915GM	Intel 915PM	Intel 915GM	Intel 915GM
			Intel 915PM —	Intel 915PM —
Graphics	Intel 915GM Integrated	ATI M26-P (128MB)	Intel 915GM Integrated	Intel 915GM Integrated
			ATI M26-P (128MB) —	ATI M26-P (128MB) -
	14/XGA/EBR	14.1/SXGA+/EBR	14/SXGA+/EBR or	14/SXGA+/EBR or
			14/SXGA+ or	14/SXGA+ or
LCD			14/XGA or	14/XGA or
			14/XGA/EBR	14/XGA/EBR
	40GB	60GB	40GB or	40GB or
	.000	2205	60GB or	60GB or
HDD			80GB or	80GB or
IIDD			100GB or	100GB or
			120GB	120GB
	512MBx1	256MBx2	256MBx1 or	256MBx1 or
Memory Std	STEIVIBAT	ZJOWIDAZ	256MBx2 or	256MBx2 or
iviernory Sta			512MBx2	512MBx2
Memory Max	2GB	2GB	2GB	2GB
WEITIOLY WAX	Combo/12.7/x24	Combo/12.7/x24	None or	None or
	COITIDO/ 12.7/X24	COIIIDO/ 12.1/X24	Combo/12.7/x24 or	Combo/12.7/x24 or
Optical			DVD-ROM/12.7/x8 or	DVD-ROM/12.7/x8 or
			SuperMulti/12.7/x8/+DL	SuperMulti/12.7/x8/+DL
Wireless LAN	802.11bg/Inte	802.11bg/Inte	802.11bg/Inte	802.11bg/Inte
Wireless WAN	x	X	× ×	x
Bluetooth	Ö	0	O or ×	O or ×
Felica	Ö	0	O or ×	O or ×
Built-in Camera	0	<u> </u>	0	0
Finger Print Sensor	ŏ	0	ŏ	ŏ
Security Chip	ŏ	0	ŏ	Ö
AC Adapter	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10
Battery	VGP-BPS4	VGP-BPS4	VGP-BPS4	VGP-BPS4
Color Variation	Silver	Silver	Silver	Silver
OS Variation	XP Pro	XP Pro	XP Pro	XP Home
00	None	None	None or	None or
Office	None	None	2003 Personal	2003 Personal
Ollice			2003 Personal 2003 Professional	2003 Personal 2003 Professional

					AM					
Model	VGN-BX567B	VGN-BX565B	VGN-BX563B	VGN-BX561B	VGN-BX543B	VGN-BX541B	VGN-BX546B	VGN-BX575B	VGN-AX570G	VGN-AX580G
CPU	PM/Do/750/1.86GHz	PM/Do/750/1.86GHz	PM/Do/740/1.73GHz	PM/Do/740/1.73GHz	PM/Do/740/1.73GHz	PM/Do/740/1.73GHz	PM/Do/740/1.73GHz	PM/Do/750/1.86GHz	PM/Do/750/1.86GHz	PM/Do/760/2GHz
Chipset	Intel 915GM	Intel 915PM	Intel 915PM	Intel 915PM	Intel 915PM					
Graphics	Intel 915GM Integrated	ATI M26-P (128MB)	ATI M26-P (128MB)	ATI M26-P (128MB)	ATI/M26-P/128MB					
LCD	15/WXGA/BR	15/WXGA/BR	15/WXGA/BR	15/WXGA/BR	14/XGA/EBR	14/XGA/EBR	14.1/SXGA+/EBR	17/WXGA+/HC	17/WXGA+/HC	17.0/WXGA+/HC
HDD	100GB	80GB	60GB	40GB	80GB	60GB	80GB	80GB	80GBx2	160GB(80GBx2)
Memory Std	512MBx2	512MBx1	512MBx1	512MBx1	512MBx1	512MBx1	512MBx1	512MBx2	512MBx2	512MBx2
Memory Max	2GB	2GB	2GB	2GB	2GB	2GB	2GB	2GB	2GB	2GB
Optical	DVD+-RW/12.7/x8/+DL	DVD+-RW/12.7/x8/+DL	Combo/12.7/x24	Combo/12.7/x24	DVD+-RW/12.7/x8/+DL	Combo/12.7/x24	DVD+-RW/12.7/x8/+DL	DVD+-RW/12.7/x8/+DL	DVD+-RW/12.7/x8/+DL	DVD+-RW/12.7/x8/+DL
Wireless LAN	802.11bg/Inte	802.11bg/Inte	802.11bg/Inte	802.11bg/Inte	802.11bg/Inte	802.11bg/Inte	802.11bg/Inte	802.11bg/Inte	802.11bg/Inte	802.11bg/Inte
Wireless WAN	×	×	×	×	×	×	×	×	×	×
Bluetooth	×	0	×	×	×	×	0	0	0	0
Felica	×	×	×	×	×	×	×	×	×	×
Built-in Camera	×	0	×	×	×	×	0	0	0	0
Finger Print Sensor	0	0	0	0	0	0	0	0	0	0
Security Chip	0	0	0	0	0	0	0	0	×	×
AC Adapter	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10
Battery	VGP-BPS4	VGP-BPS4	VGP-BPS4	VGP-BPS4	VGP-BPS4	VGP-BPS4	VGP-BPS4	VGP-BPS4	VGP-BPS4	VGP-BPS4
Color Variation	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Gray	Gray
OS	XP Pro	XP Pro	XP Pro	XP MCE	XP MCE					
Office	None	None	None	None	None	None	None	None	None	None
	<u> </u>	<u></u> [MA]	<u> </u>	<u> </u>			∕2\[MA]	<u> </u>	<u> </u>	Æ [MA]

- The trademarks or registered trademarks of above table, refer to page 2.
- The model that is accompanied by astarisk (*) is CTO model.
- ・本表中の商標・登録商標については、2ページをご参照下さい。
- ・機種名に(*)がつくのは、CTOモデルです。

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					AM				
Model	VGN-BX545FP	VGN-BX540BW*	VGN-BX540B*	VGN-BX540W*	VGN-BX540BH*	VGN-BX570B*	VGN-BX570BH*	VGN-BX560B*	VGN-BX560BH*
PU	PM/Do/740/1.73GHz	CeIM/Do/370/1.50GHz or	CelM/Do/370/1.50GHz or	CelM/Do/370/1.50GHz or	CelM/Do/370/1.50GHz or	CelM/Do/370/1.50GHz or	CelM/Do/370/1.50GHz or	CelM/Do/370/1.50GHz or	CelM/Do/370/1.50GHz or
		PM/Do/740/1.73GHz or	PM/Do/740/1.73GHz or	PM/Do/740/1.73GHz or	PM/Do/740/1.73GHz or	PM/Do/740/1.73GHz or	PM/Do/740/1.73GHz or	PM/Do/740/1.73GHz or	PM/Do/740/1.73GHz or
		PM/Do/750/1.86GHz or	PM/Do/750/1.86GHz or	PM/Do/750/1.86GHz or	PM/Do/750/1.86GHz or	PM/Do/750/1.86GHz or	PM/Do/750/1.86GHz or	PM/Do/750/1.86GHz or	PM/Do/750/1.86GHz or
		PM/Do/760/2GHz or	PM/Do/760/2GHz or	PM/Do/760/2GHz or	PM/Do/760/2GHz or	PM/Do/760/2GHz or	PM/Do/760/2GHz or	PM/Do/760/2GHz or	.PM/Do/760/2GHz or
		PM/Do/770/2.13GHz or	PM/Do/770/2.13GHz or	PM/Do/770/2.13GHz or	PM/Do/770/2.13GHz or	PM/Do/770/2.13GHz or	PM/Do/770/2.13GHz or	PM/Do/770/2.13GHz or	PM/Do/770/2.13GHz or
		PM/Do/780/2.26GHz	PM/Do/780/2.26GHz	PM/Do/780/2.26GHz	PM/Do/780/2.26GHz	PM/Do/780/2.26GHz	PM/Do/780/2.26GHz	PM/Do/780/2.26GHz	PM/Do/780/2.26GHz
hipset	Intel 915GM	Intel 915GM	Intel 915GM	Intel 915GM	Intel 915GM	Intel 915GM or	Intel 915GM or	Intel 915GM	Intel 915GM
····poot	into o room	micro room	Intel 915PM	into o room	Intel 915PM —	Intel 915PM	Intel 915PM	Intel 915PM	Intel 915PM —
Graphics	Intel 915GM Integrated	Intel 915GM Integrated	Intel 915GM Integrated	Intel 915GM Integrated	Intel 915GM Integrated	Intel 915GM Integrated or	Intel 915GM Integrated or	Intel 915GM Integrated	Intel 915GM Integrated
лартноз	inter 5 150 W Integrated	inter 3 13 GW integrated	ATI M26-P (128MB) —	Intel 3130W Integrated	ATI M26-P (128MB) —	ATI M26-P (128MB)	ATI M26-P (128MB)	ATI M26-P (128MB) —	ATI M26-P (128MB) —
CD	14/XGA/FBR	14/XGA/EBR or	14/XGA/EBR or	14/XGA/EBR or	14/XGA/EBR or	17.0/WUXGA/HC or	17.0/WUXGA/HC or	15.4/WXGA/BR	15.4/WXGA/BR
CD	14/AGA/EBR	14/SXGA+/EBR	14/SXGA+/EBR	14/SXGA+/EBR	14/SXGA+/EBR or	17.0/WXGAHC 0	17.0/WXGA+/HC	13.4/WAGA/BK	13.4/WXGAVBK
IDD	80GB	40GB or	40GB or	40GB or	40GB or	100GB or	100GB or	100GB or	100GB or
100	80GB	60GB or	60GB or	60GB or	60GB or	40GB or	40GB or	40GB or	40GB or
							40GB or 60GB or	40GB or 60GB or	
		80GB or	80GB or	80GB or	80GB or	60GB or			60GB or
		100GB or	100GB or	100GB or	100GB or	80GB or	80GB or	80GB or	80GB or
		120GB	120GB	120GB	120GB	120GB or	120GB or	120GB	120GB
						60GBx2 or	60GBx2 or		
						80GBx2 or	80GBx2 or		
						100GBx2 or	100GBx2 or		
						120GBx2			
Memory Std	256MBx2	256MBx1 or	256MBx1 or	256MBx1 or	256MBx1 or	256MBx1 or	256MBx1 or	256MBx1 or	256MBx1 or
		256MBx2 or	256MBx2 or	256MBx2 or	256MBx2 or	256MBx2 or	256MBx2 or	256MBx2 or	256MBx2 or
		512MBx1 or	512MBx1 or	512MBx1 or	512MBx1 or	512MBx1 or	512MBx1 or	512MBx1 or	512MBx1 or
		512MBx2 or	512MBx2 or	512MBx2 or	512MBx2 or	512MBx2 or	512MBx2 or	512MBx2 or	512MBx2 or
		1GBx1 or	1GBx1 or	1GBx1 or	1GBx1 or	1GBx1 or	1GBx1 or	1GBx1 or	1GBx1 or
		1GBx2	1GBx2	1GBx2	1GBx2	1GBx2	1GBx2	1GBx2	1GBx2
Memory Max	2GB	2GB	2GB	2GB	2GB	2GB	2GB	2GB	2GB
Optical	Combo/12.7/x24	Combo/12.7/x24 or	Combo/12.7/x24 or	Combo/12.7/x24 or	Combo/12.7/x24 or	Combo/12.7/x24 or	Combo/12.7/x24 or	Combo/12.7/x24 or	Combo/12.7/x24 or
,		DVD+-RW/12.7/x8/+DL or		DVD+-RW/12.7/x8/+DL or	DVD+-RW/12.7/x8/+DL or	DVD+-RW/12.7/x8/+DL or	DVD+-RW/12.7/x8/+DL or	DVD+-RW/12.7/x8/+DL or	DVD+-RW/12.7/x8/+DL or
		None	None	None	None	None	None	None	None
Vireless LAN	802.11bg/Intel	802.11bg/Intel	802.11bg/Intel	802.11bg/Intel	802.11bg/Intel	802.11bg/Intel/mPCI	802.11bg/Intel/mPCI	802.11bg/Intel/mPCI	802.11bg/Intel/mPCI
Vireless WAN	x	×	x	x	x	x	x	x	×
luetooth	×	Ö	Ö	0	Ö	0	Ö	Ö	Ö
elica	×	×	×	×	×	×	×	×	×
Built-in Camera	Ô	Ô	Ô	Ô	Ô	ô	Ô	O or ×	O or ×
inger Print Sensor	Ŏ	ŏ	Ö	Ö	ŏ	0	Ö	O or x	O
Security Chip	<u> </u>	ŏ	Ö	Ö	ŏ	Ö	0	ŏ	Ö
	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10
C Adapter									
attery	VGP-BPS4		VGP-BPS4 or VGP-BPL4		VGP-BPS4 or VGP-BPL4		VGP-BPS4 or VGP-BPL4	VGP-BPS4 or VGP-BPL4	VGP-BPS4 or VGP-BPL4
Color Variation	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver
OS .	XP Pro	XP Pro	XP Pro	XP Home	XP Home	XP Pro	XP Home	XP Pro	XP Home
Office	None	None	None	None	None	None	None	None	None
	∆ [MA]						∆ [MA]	∆ [MA]	∆ [MA]

					EU				
Model	VGN-BX197XP	VGN-BX195XP	VGN-BX195VP	VGN-BX194VP	VGN-BX196XP	VGN-BX196VP	VGN-BX195EP	VGN-BX196SP	VGN-BX195SP
CPU	PM/Do/760/2GHz	PM/Do/750/1.86GHz	PM/Do/740/1.73GHz	PM/Do/740/1.73GHz	PM/Do/750/1.86GHz	PM/Do/740/1.73GHz	CeIM/Do/380/1.60GHz	PM/Do/750/1.86GHz	PM/Do/750/1.86GHz
Chipset	Intel 915PM	Intel 915PM	Intel 915GM	Intel 915GM	Intel 915PM	Intel 915GM	Intel 915GM	Intel 915GM	Intel 915GM
Graphics	ATI M26-P (128MB)	ATI M26-P (128MB)	Intel 915GM Integrated	Intel 915GM Integrated	ATI M26-P (128MB)	Intel 915GM Integrated	Intel 915GM Integrated	Intel 915GM Integrated	Intel 915GM Integrated
LCD	17/WUXGA/HC	15.0/XGA/BR	15/XGA/BR	14/XGA/EBR	15.4/WXGA/BR	15/WXGA/BR	15/XGA/BR	15/WXGA/BR	15/XGA/BR
HDD	80GBx2	80GB	80GB	80GB	100GB	80GB	60GB	100GB	80GB
Memory Std	1GBx1	512MBx1	512MBx1	512MBx1	512MBx1	512MBx1	256MBx1	512MBx1	512MBx1
Memory Max	2GB	2GB	2GB	2GB	2GB	2GB	2GB	2GB	2GB
Optical	DVD+-RW/12.7/x8/+DL	DVD+-RW/12.7/x8/+DL	DVD+-RW/12.7/x8/+DL	DVD+-RW/12.7/x8/+DL	DVD+-RW/12.7/x8/+DL	DVD+-RW/12.7/x8/+DL	DVD+-RW/12.7/x8/+DL	DVD+-RW/12.7/x8/+DL	DVD+-RW/12.7/x8/+DL
Wireless LAN	802.11bg/Intel	802.11bg/Intel	802.11bg/Intel	802.11bg/Intel	802.11bg/Intel	802.11bg/Intel	802.11bg/Intel	802.11bg/Intel	802.11bg/Intel
Wireless WAN	×	×	×	×	×	×	×	×	×
Bluetooth	0	0	×	0	0	×	×	0	0
Felica	×	×	×	×	×	×	×	×	×
Built-in Camera	0	0	×	0	0	×	×	0	0
Finger Print Sensor	0	0	0	0	0	0	0	0	0
Security Chip	0	0	0	0	0	0	0	0	0
AC Adapter	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10
Battery	VGP-BPS4	VGP-BPS4+VGP-BPL4	VGP-BPS4	VGP-BPS4	VGP-BPS4+VGP-BPL4	VGP-BPS4	VGP-BPS4	VGP-BPS4	VGP-BPS4
Color Variation	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver	Silver
OS	XP Pro	XP Pro	XP Pro	XP Pro	XP Pro	XP Pro	XP Pro	XP Pro	XP Pro
Office	None	None	None	None	None	None	None	None	None
	<u> </u>	<u></u> ∆[MA]		•	△ [MA]	∆ [MA]		∆ [MA]	<u></u> ∆ [MA]

	AO								
Model	VGN-BX168GP	VGN-BX165CP	VGN-BX145CP	VGN-BX143CP	VGN-BX143C	VGN-BX178CP			
CPU	PM/Do/760/2GHz	PM/Do/750/1.86GHz	PM/Do/750/1.86GHz	PM/Do/740/1.73GHz	PM/Do/740/1.73GHz	PM/Do/760/2GHz			
Chipset	Intel 915GM	Intel 915PM							
Graphics	Intel 915GM Integrated	ATI M26-P (128MB)							
LCD	15/WXGA/BR	15.4/WXGA/BR	14.1/XGA/EBR	14.1/XGA/EBR	14.1/XGA/EBR	17.0/WUXGA/HC			
HDD	60GB	60GB	60GB	40GB	40GB	80GB(40GBx2)			
Memory Std	512MBx1	512MBx1	512MBx1	256MBx1	256MBx1	512MBx1			
Memory Max	2GB	2GB	2GB	2GB	2GB	2GB			
Optical	Combo/12.7/x24	Combo/12.7/x24	Combo/12.7/x24	Combo/12.7/x24	Combo/12.7/x24	Combo/12.7/x24			
Wireless LAN	802.11bg/Intel	802.11bg/Intel	802.11bg/Intel	802.11bg/Intel	802.11bg/Intel	802.11bg/Intel			
Wireless WAN	×	×	×	×	×	×			
Bluetooth	0	0	0	0	0	0			
Felica	×	×	×	×	×	×			
Built-in Camera	0	0	0	0	0	0			
Finger Print Sensor	0	0	0	0	0	0			
Security Chip	0	*	×	×	×	×			
AC Adapter	VGP-AC19V11	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10	VGP-AC19V10			
Battery	VGP-BPS5	VGP-BPS4	VGP-BPS4	VGP-BPS4	VGP-BPS4	VGP-BPS4			
Color Variation	Silver	Silver	Silver	Silver	Silver	Silver			
OS	XP Pro	XP Pro	XP Pro	XP Pro	XP Home	XP Pro			
Office	None	None	None	None	None	None			
	∆ [MA]	△ [MA]	▲ [MA]	△ [MA]	△ [MA]	<u></u> [MA]			

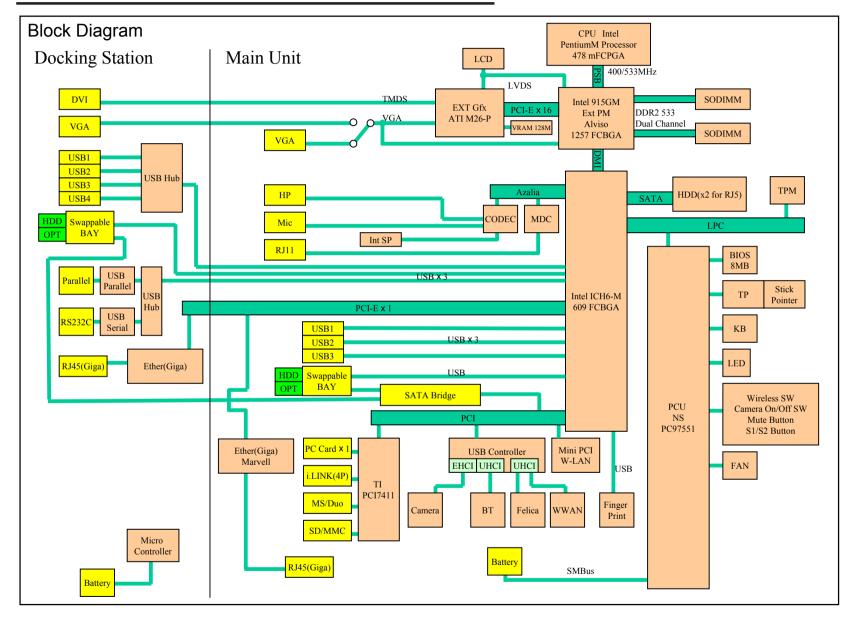
- The trademarks or registered trademarks of above table, refer to page 2.
- The model that is accompanied by astarisk (*) is CTO model.
- ・本表中の商標・登録商標については、2ページをご参照下さい。
- ・機種名に(*)がつくのは、CTOモデルです。

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VGN-BX50PZ/BX90PS/BX90S (J)

VGN-AX570G/AX580G/BX540B/BX540BH/BX540BW/BX540W/BX541B/BX543B/BX545FP/ BX546B/BX560B/BX560BH/BX561B/BX563B/BX565B/BX567B/BX570B/BX570BH/BX575B (AM) VGN-BX194VP/BX195EP/BX195SP/BX195VP/BX195XP/BX196SP/BX196VP/BX196XP/BX197XP (EU) VGN-BX143C/BX143CP/BX145CP/BX165CP/BX168GP/BX178CP (AO)

CHAPTER 2. BLOCK DIAGRAM



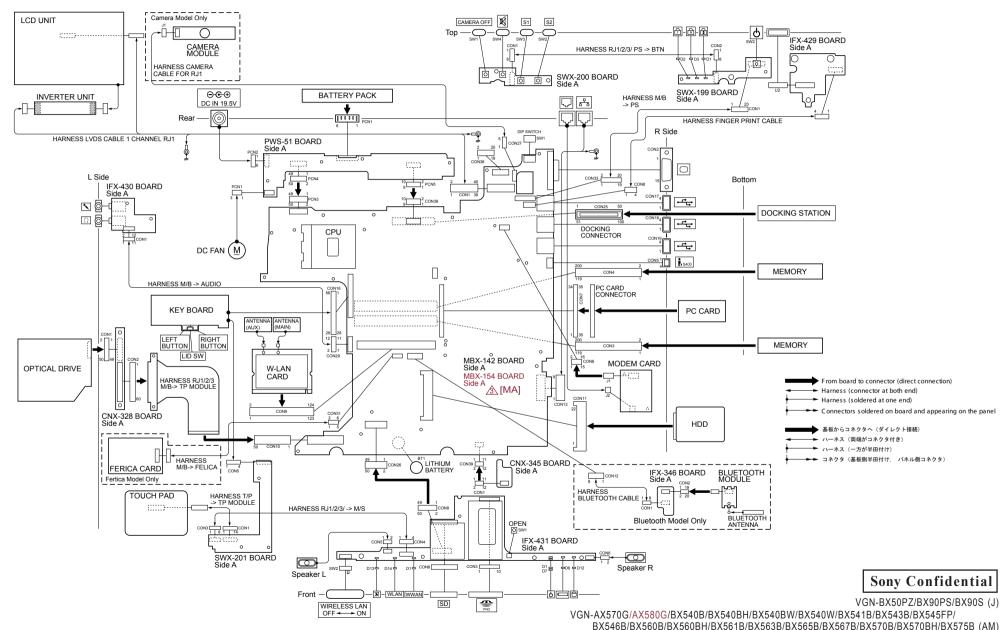
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VGN-BX50PZ/BX90PS/BX90S (J)

VGN-AX570G/AX580G/BX540B/BX540BH/BX540BW/BX540W/BX541B/BX543B/BX545FP/ BX546B/BX560B/BX560BH/BX561B/BX563B/BX565B/BX567B/BX570B/BX570BH/BX575B (AM) VGN-BX194VP/BX195EP/BX195SP/BX195VP/BX195XP/BX196SP/BX196VP/BX196XP/BX197XP (EU) VGN-BX143C/BX143CP/BX145CP/BX165CP/BX168GP/BX178CP (AO)

CHAPTER 3. FRAME HARNESS DIAGRAM

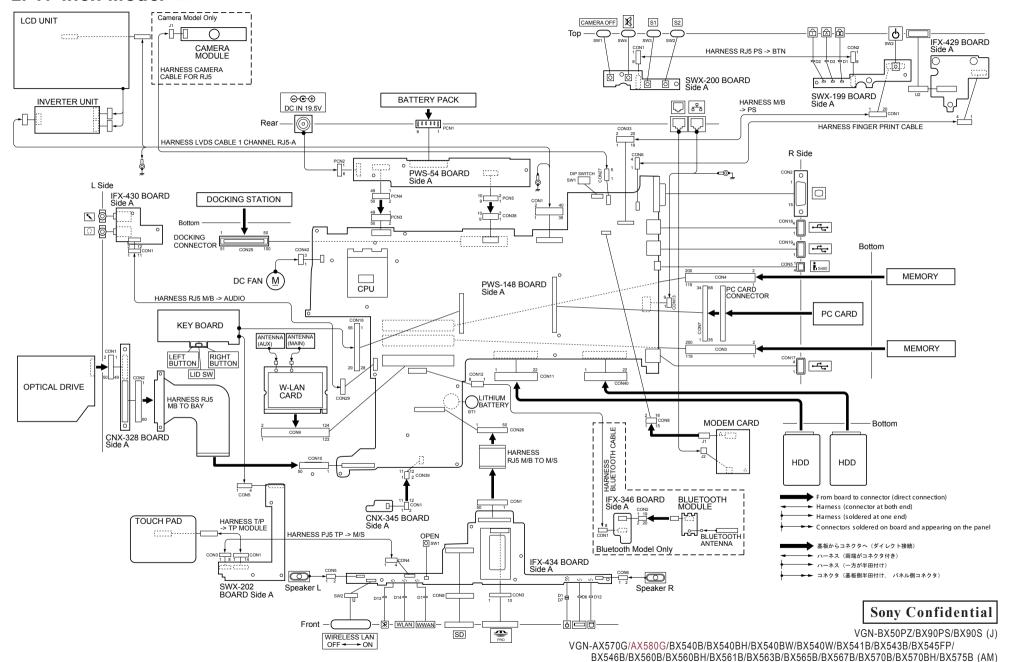
1. 14.1-inch/15-inch/15-inch Wide Model A[MA]



VGN-BX194VP/BX195EP/BX195SP/BX195VP/BX195XP/BX196SP/BX196VP/BX196XP/BX197XP (EU)

VGN-BX143C/BX143CP/BX145CP/BX165CP/BX168GP/BX178CP (AO)

2. 17-inch Model △ [MA]



3-2 (END) VGN-BX194VP/BX195EP/BX195SP/BX195VP/BX195XP/BX196SP/BX196VP/BX196XP/BX197XP (EU)

VGN-BX143C/BX143CP/BX145CP/BX165CP/BX168GP/BX178CP (AO)

CHAPTER 4. EXPLODED VIEWS AND PARTS LIST

Section

 The parts list is compiled by blocks of a palmrest and bottom etc. The sections of the parts list are different depending on the model. Please refer to list of contents shown in the below.

Section	<u>Page</u>
Palmrest	
P-1 (14-inch Model)	4-2
P-2 (15-inch Model)	4-4
P-3 (15-inch Wide Model)	4-6
P-4 (17-inch Model)	4-8
Main Board	
M-1 (14-inch Model)	4-10
M-2 (15-inch Model)	4-12
M-3 (15-inch Wide Model)	4-14
M-4 (17-inch Model)	4-16
Bottom	
B-1 (14-inch Model)	4-18
B-2 (15-inch Model)	4-20
B-3 (15-inch Wide Model)	4-22
B-4 (17-inch Model)	4-24

 分解図と部品表は、パームレスト、ボトムなどのブロックごとに 分かれています。機種によって部品表のセクションが異なりま すので、詳細は右下の一覧表を参照してください。

	
LCD	
L-1 (14-inch Model) (TMDT, CPT, QDI)	4-26
L-2 (15-inch Model) (QDI)	4-28
L-3 (15-inch Wide Model) (QDI)	4-30
L-4 (17-inch Model) (AUO, SH)	4-32
Accessories	
A-1	4-34
A-2	4-35
Dip Switch	4-35

Page

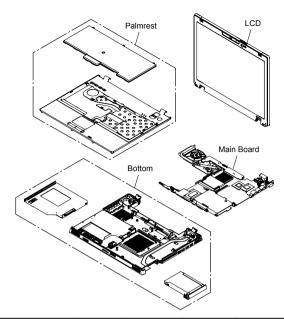
NOTE:

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
 When two or more parts are shown, use the part described first as the main part.
- The parts marked "\$" are the High Value Modules (HVM).
- The parts marked "#" are the parts on which barcode label is attached. For the barcode label, refer to CHAPTER 5.
- The parts marked " & " are the "Customer Replacable Parts (CRP)" that can be replaced by Field Customer Support. Especially the parts with the <&> mark require the special attention to use them. Here fore, check first Whether the desired part is one of the targetted part the Customer Replaceable Parts (CRP), or the non-targetted parts by referring to the exploded view.
- Regarding the boards of this model, the discrete parts on the boards cannot be replaced. However, Some connectorscan be replaced.
- The model that is accompanied by asterisk (*) is the CTO model.

【使用上の注意】

- ・*印の部品は常備在庫しておりません。
- ・図面番号のない部品は供給しません。
- ・併記部品の場合,上部記載部品をメイン部品として 使用してください。
- ・部品名称の前に\$印のついた部品は, High Value Module(HVM)です。
- ・部品名称の前に#印のついた部品は,バーコードラベル 貼付部品です。
- バーコードラベルについてはCHAPTER 5を参照して ください
- ・部品名称の前に&印のついた部品は、お客様窓口などでも交換可能なCustomer Replacable Parts (CRP)です。
- 特に〈&〉印のついた部品は、使い分けが必要な部品ですので、分解図でCoustomer Replacable Parts対象部品か、対象外部品かを必ず御確認ください。
- ・本モデルの基板については、基板上の各部品の修理 は行うことができません。ただし、一部のコネクタ については、修理可能です。
- ・機種名に(*)がつくのはCTOモデルです。

▲ 印の部品,または ▲ 印付きの点線で囲まれた部品 は,安全性を維持するために重要な部品です。従って 交換時は,必ず指定の部品を使用してください。



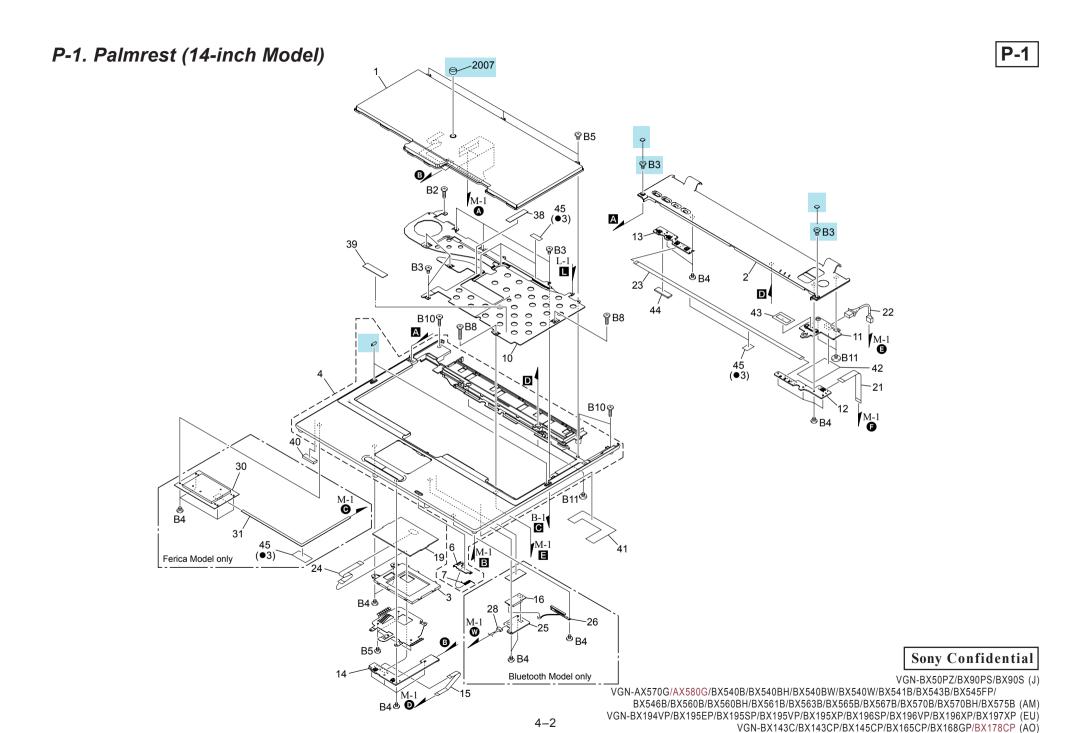
[Palmrest	Main Board	Bottom	LCD	Accessories
<u></u> [MA]		BX50PZ	P-1	M-1	B-1	L-1	A-1
<u></u> [MA]		BX90PS	P-1	M-1	B-1	L-1	A-1
- 1	J	BX90PS*	P-1	M-1	B-1	L-1	A-1
I		BX90S*	P-1	M-1	B-1	L-1	A-1
⚠[MA]		BX567B	P-3	M-3	B-3	L-3	A-1
⚠[MA]		BX565B	P-3	M-3	B-3	L-3	A-1
⚠[MA]		BX563B	P-3	M-3	B-3	L-3	A-1
⚠[MA]		BX561B	P-3	M-3	B-3	L-3	A-1
- 1		BX543B	P-1	M-1	B-1	L-1	A-1
- 1		BX541B	P-1	M-1	B-1	L-1	A-1
<u></u> [MA]		BX546B	P-1	M-1	B-1	L-1	A-1
⚠[MA]		BX575B	P-4	M-4	B-4	L-4	A-1
⚠[MA]	AM	AX570G	P-4	M-4	B-4	L-4	A-1, A-2
		AX580G	P-4	M-4	B-4	L-4	A-1, A-2
⚠[MA]		BX545FP	P-1	M-1	B-1	L-1	A-1
		BX540B*/BX540BW*	P-1	M-1	B-1	L-1	A-1
- 1		BX540BH*/BX540W*	P-1	M-1	B-1	L-1	A-1
A [MA]		BX570B*	P-4	M-4	B-4	L-4	A-1
[MA]		BX570BH*	P-4	M-4	B-4	L-4	A-1
Æ [MA]		BX560B*	P-3	M-3	B-3	L-3	A-1
Æ[MA]		BX560BH*	P-3	M-3	B-3	L-3	A-1
⚠[MA]		BX197XP	P-4	M-4	B-4	L-4	A-1
<u></u> [MA]		BX195XP	P-2	M-2	B-2	L-2	A-1
		BX195VP	P-2	M-2	B-2	L-2	A-1
- 1		BX194VP	P-1	M-1	B-1	L-1	A-1
<u></u> [MA]	EU	BX196XP	P-3	M-3	B-3	L-3	A-1
 [MA]		BX196VP	P-3	M-3	B-3	L-3	A-1
		BX195EP	P-2	M-2	B-2	L-2	A-1
<u></u> [MA]		BX196SP	P-3	M-3	B-3	L-3	A-1
<u></u> [MA]		BX195SP	P-2	M-2	B-2	L-2	A-1
⚠[MA]		BX168GP	P-3	M-3	B-3	L-3	A-1
<u></u> [MA]		BX165CP	P-3	M-3	B-3	L-3	A-1
<u></u> [MA]	AO	BX145CP	P-1	M-1	B-1	L-1	A-1
<u></u> [MA]	Α0	BX143CP	P-1	M-1	B-1	L-1	A-1
Æ[MA]		BX143C	P-1	M-1	B-1	L-1	A-1
<u></u> [MA]		BX178CP	P-4	M-4	B-4	L-4	A-1

* : CTO model

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VGN-BX50PZ/BX90PS/BX90S (J)

VGN-AX570G/AX580G/BX540B/BX540BH/BX540BW/BX540W/BX541B/BX543B/BX545FP/ BX546B/BX560B/BX560BH/BX561B/BX563B/BX565B/BX567B/BX570B/BX570BH/BX575B (AM) VGN-BX194VP/BX195EP/BX195SP/BX195VP/BX195XP/BX196SP/BX196VP/BX196XP/BX197XP (EU) VGN-BX143C/BX143CP/BX145CP/BX165CP/BX168GP/BX178CP (AO)



P-1. Palmrest (14-inch Model)

Ref.No.	Part No.			Description
	X-2067-827-1 2-639-774-01 2-639-777-01 2-639-759-01 A-1144-164-A	\$		RJ1 HOLDER TP ASSY RJ1 LATCH DETECTOR RJ1 SPRING LATCH DECTOR RJ1 BRACKET KEYBOARD COMPLETE PWB IFX-429
13 14 15	A-1144-163-A A-1144-166-A A-1144-168-A 1-964-208-11 1-797-300-11	\$ \$ \$		COMPLETE PWB SWX-199 COMPLETE PWB SWX-200 COMPLETE PWB SWX-201 HARNESS RJ1/2/3 T/P -> M/S TOUCH PAD
22 23 24	1-964-204-11 1-964-200-11 1-964-205-11 1-964-207-11 2-668-152-01			HARNESS M/B -> P/S HARNESS FINGER PRINT CABLE HARNESS RJ1/2 P/S -> BTN HARNESS T/P -> T/P MODULE INSULATOR KB RJ1
40 41 42	2-668-065-01 2-668-073-01 2-668-157-01 2-668-116-01 2-668-156-01			GASKET KEYBOARD RJ1 RUBBER PALMREST CUSHION HDD RJ1 INSULATOR FPB RJ1 INSULATOR FPB RJ1
44 45	2-668-025-01			SPONGE BUTTON BOARD RJ1 KAPTON TAPE (•3)
B3 B4 B5	A-1168-312-A 4-672-836-11 4-672-836-01 2-022-855-01 A-1168-310-A		<&>	CHINA SCREW (M2X8) GP SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW M2 EG CHINA SCREW (M2X12) GP
	4-671-538-11 A-1168-308-A			SCREW(M2X4), SPECIAL HEAD CHINA SCREW (M2X2) GP

^(●3) Use the KAPTON TAPE

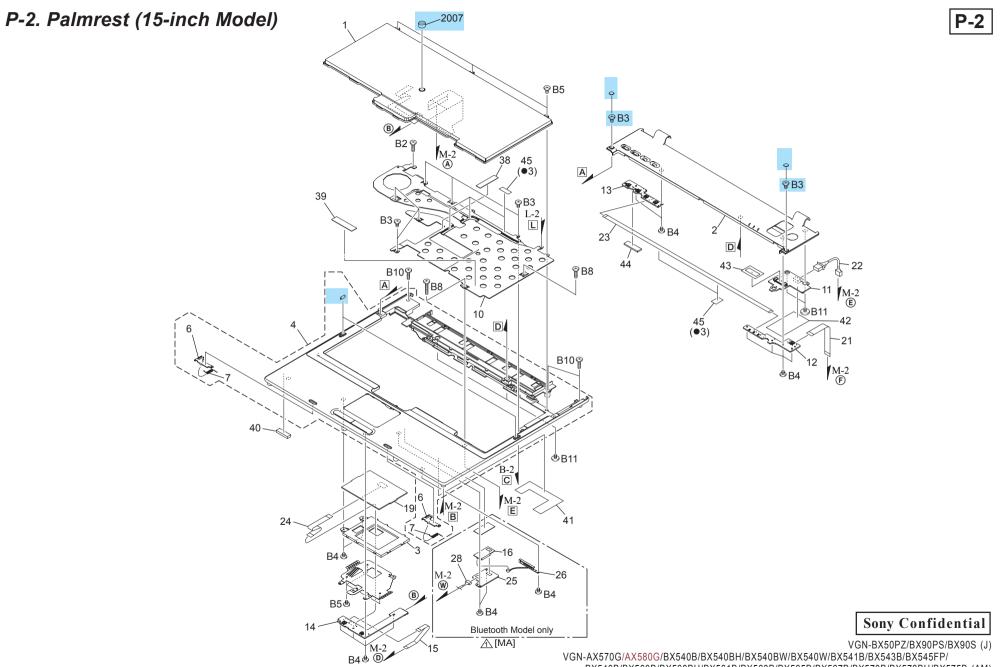


- 1									A١	Л			EU	Αı	0
Ref. No.	Part No.		Description	BX50PZ	BX90PS	BX90PS*	BSSUS*	BX541B	BX546B	BX545FP	BX5	BX540BH*/BX540V*	BX194VP	BX143CP	BX143C
1	1-479-398-21	#	(German)KEYBOARD UNIT(DE)			_	+	T		\neg	\dashv	\dashv	•	+	+
	1-479-398-41	#	(French)KEYBOARD UNIT(FR)				+	†			_	_	•	+	+
	1-479-398-11	#	(English)KEYBOARD UNIT(GB)				+	+				-	•	+-	+
	1-479-398-51	#	(Italian)KEYBOARD UNIT(IT)				+	+				-	•	+-	+
	1-479-397-11	#	KEYBOARD UNIT(JP)	•	•	•	•	†			_	_		+	+
1	1-479-397-21	#	KEYBOARD UNIT(US)				•		•		•	•	-		
MA]	1-479-398-81	#	KEYBOARD UNIT(LA)				-	1		•	_	_		1	1
2	X-2067-831-1		RJ1 HOOD ASSY		•	•	•	•			•	•		T	\top
	X-2067-828-1		RJ1 HOOD CA ASSY	•		•	•	T	•	•	•	•	•		
4	X-2108-083-1		RJ1 HOUSING PALMREST			•	•	•	•	•	•	•	•	•	
	X-2108-082-1		RJ1 HOUSING PALMREST F ASSY	•	•	•	•	T		T	Т	Т	Т	T	T
16	1-479-129-12		BLUETOOTH MODULE	•	•	•	•		•		•	•	•		
25	A-1144-175-A	\$	COMPLETE PWB CNX-346	•	•	•	•		•		•	•	•	•	•
26	A-1144-051-A		BLUETOOTH ANTENNA	•	•	•	•		•		•	•	•		•
28	1-964-196-11		HARNESS BLUTTOOTH CABLE	•	•	•	•		•		•	•	•	•	•
30	A-1172-978-A	\$	RW MODULE ASSY(S)	•	•	•	•				Т	П		Т	Т
31	1-964-212-11		HARNESS M/B -> FELICA	•	•	•	•				П	П		Т	

This parts list contains two different types of parts.
 The first type is the parts that are common to all models.
 The other type is the parts that are different depending on each model.

・この部品表は、機種共通の部品と、機種によって使い分けが必要な部品に分かれています。

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P-2. Palmrest (15-inch Model)

Ref.No.	Part No.			Description
6 7	X-2067-827-1 X-2108-084-1 2-639-774-01 2-639-777-01 2-639-759-01			RJ1 HOLDER TP ASSY RJ2 HOUSING PALMREST ASSY RJ1 LATCH DETECTOR RJ1 SPRING LATCH DECTOR RJ1 BRACKET KEYBOARD
12 13 14	A-1144-164-A A-1144-163-A A-1144-166-A A-1144-168-A 1-964-208-11	\$ \$ \$		COMPLETE PWB IFX-429 COMPLETE PWB SWX-199 COMPLETE PWB SWX-200 COMPLETE PWB SWX-201 HARNESS RJ1/2/3 T/P -> M/S
21 22 23	1-797-300-11 1-964-204-11 1-964-200-11 1-964-205-11 1-964-207-11			TOUCH PAD HARNESS M/B -> P/S HARNESS FINGER PRINT CABLE HARNESS RJ1/2/3 P/S -> BTN HARNESS T/P -> T/P MODULE
40 41	2-668-152-01 2-668-065-01 2-668-073-01 2-668-157-01 2-668-116-01			INSULATOR KB RJ1 GASKET KEYBOARD RJ1 RUBBER PALMREST CUSHION HDD RJ1 INSULATOR FPB RJ1
43 44 45	2-668-156-01 2-668-025-01			INSULATOR FP RJ1 SPONGE BUTTON BOARD RJ1 KAPTON TAPE (•3)
B3 B4 B5	A-1168-312-A 4-672-836-11 4-672-836-01 2-022-855-01 A-1168-310-A		<&>	CHINA SCREW (M2X8) GP SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW M2 EG CHINA SCREW (M2X12) GP
	4-671-538-11 A-1168-308-A			SCREW(M2X4), SPECIAL HEAD CHINA SCREW (M2X2) GP

(●3) Use the KAPTON TAPE

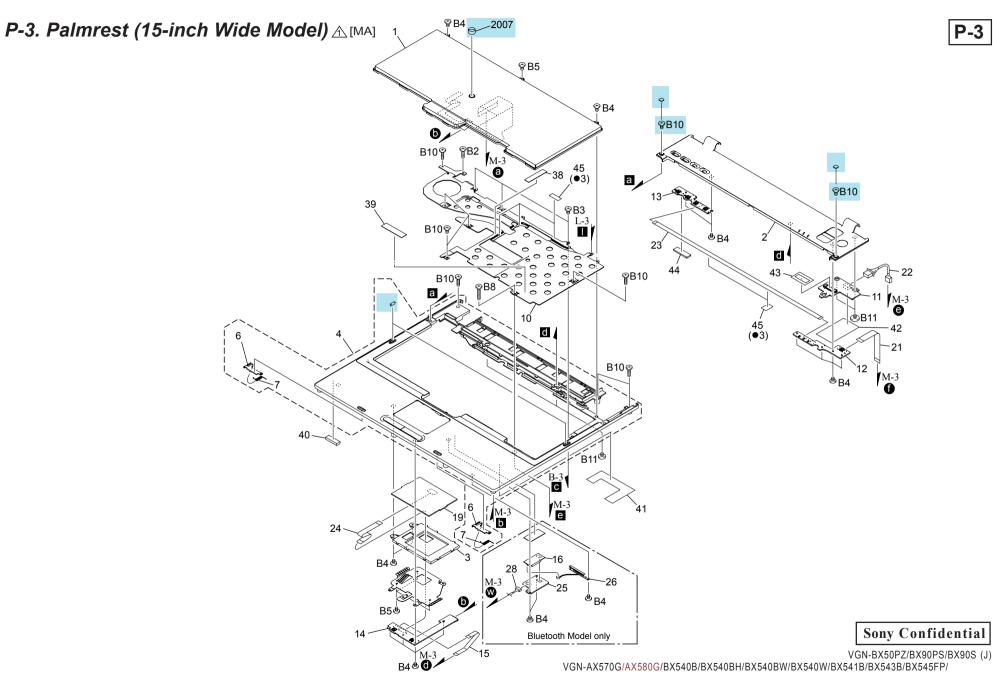
P-2

				-	E	U	Г
				BX195XP	BX195VP	95	BX195SP
Ref. No.	Part No. 1-479-397-41	#	Description (English)KEYBOARD UNIT(BE)	+		H	
ļ	1-479-397-41				-	-	
	1-479-398-11	##	(English)KEYBOARD UNIT(GB)		-	-	-
			(German)KEYBOARD UNIT(DE)	-		•	•
	1-479-398-41	#	(French)KEYBOARD UNIT(FR)		•	ļ	•
	1-479-398-51	#	(Italian)KEYBOARD UNIT(IT)	•	•	•	•
	1-479-398-61	#	(Spanish)KEYBOARD UNIT(ES)	•	•		•
	1-479-398-71	#	(English)KEYBOARD UNIT(SE)	T	•		
	1-479-398-91	#	(English)KEYBOARD UNIT(PT)	T	•		
	1-479-398-31	#	(English,German,French,Italian)KEYBOARD UNIT(CH)	•	1		•
2	X-2102-301-1		RJ2 HOOD ASSY	\top	•	•	П
	X-2067-999-1		RJ2 HOOD CA ASSY	•	1		•
16	1-479-129-12		BLUETOOTH MODULE	•	T		•
25	A-1144-175-A	\$	COMPLETE PWB CNX-346	•			•
26	A-1144-051-A		BLUETOOTH ANTENNA	•	T		•
28	1-964-196-11		HARNESS BLUTTOOTH CABLE				•

[MA]

- This parts list contains two different types of parts.
 The first type is the parts that are common to all models.
 The other type is the parts that are different depending on each model.
- この部品表は、機種共通の部品と、機種によって使い分けが必要な部品に分かれています。

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VGN-AX570G/AX580G/BX540B/BX540BH/BX540BW/BX540W/BX541B/BX543B/BX545FP/ BX546B/BX560B/BX560BH/BX561B/BX563B/BX565B/BX567B/BX570B/BX570BH/BX575B (AM) VGN-BX194VP/BX195EP/BX195SP/BX195VP/BX195XP/BX196SP/BX196VP/BX196XP/BX197XP (EU)

P-3. Palmrest (15-inch Wide Model) △ [MA]

Ref.No.	Part No.			Description
6	X-2067-827-1 X-2067-927-1 2-639-774-01 2-639-777-01 2-651-356-01			RJ1 HOLDER TP ASSY RJ3 HOUSING PALMREST ASSY RJ1 LATCH DETECTOR RJ1 SPRING LATCH DECTOR RJ3 BRACKET KEYBOARD
12 13 14	A-1144-164-A A-1144-163-A A-1144-166-A A-1144-168-A 1-964-208-11	\$ \$ \$		COMPLETE PWB IFX-429 COMPLETE PWB SWX-199 COMPLETE PWB SWX-200 COMPLETE PWB SWX-201 HARNESS RJ1/2/3 T/P -> M/S
21 22 23	1-797-300-11 1-964-204-11 1-964-200-11 1-964-439-11 1-964-207-11			TOUCH PAD HARNESS M/B -> P/S HARNESS FINGER PRINT CABLE HARNESS RJ3 P/S -> BTN HARNESS T/P -> T/P MODULE
40	2-668-152-01 2-668-065-01 2-668-073-01 2-668-157-01 2-668-116-01			INSULATOR KB RJ1 GASKET KEYBOARD RJ1 RUBBER PALMREST CUSHION HDD RJ1 INSULATOR FPB RJ1
43 44 45	2-668-156-01 2-668-025-01			INSULATOR FP RJ1 SPONGE BUTTON BOARD RJ1 KAPTON TAPE (•3)
B3 B4 B5	A-1168-312-A 4-672-836-11 4-672-836-01 2-022-855-01 A-1168-310-A			CHINA SCREW (M2X8) GP SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW M2 EG CHINA SCREW (M2X12) GP
	4-671-538-11 A-1168-308-A		&	SCREW(M2X4), SPECIAL HEAD CHINA SCREW (M2X2) GP

 $(\bullet \, 3)$ Use the KAPTON TAPE

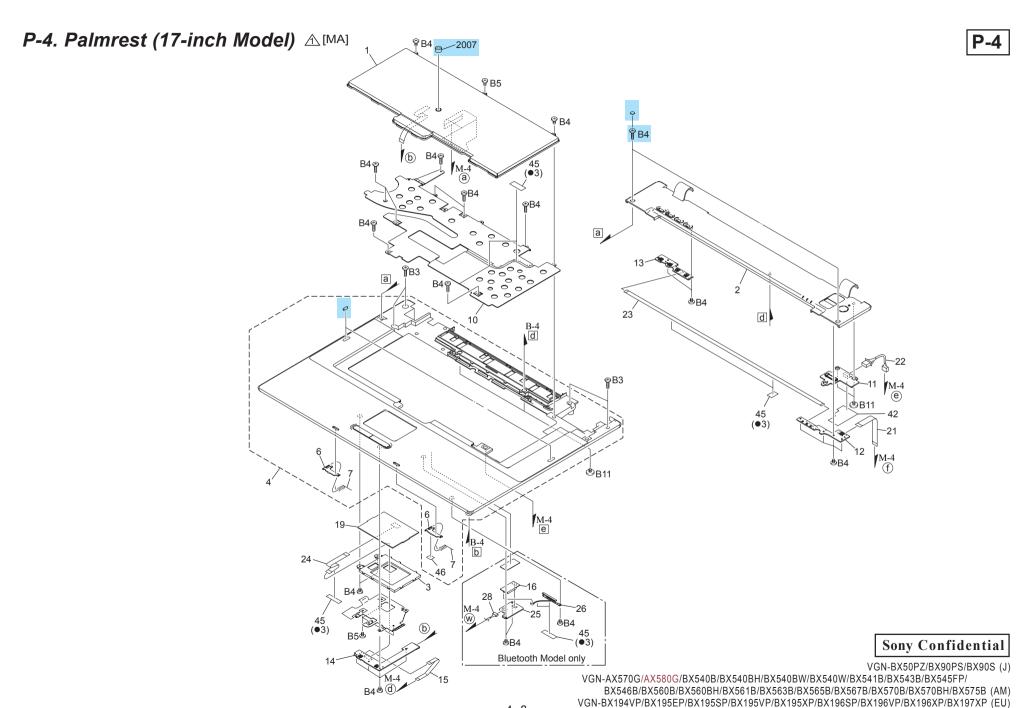


				Т		Α	M			Г	EU		7	40
Ref No.	Part No.		Description	BX567B	BX565B	BX563B	BX561B	BX560B*	BX560BH*	BX196XP	BX196VP	BX196SP	BX168SP	BX165CP
1	1-479-397-21	#	KEYBOARD UNIT(US)	•	•	•	•	•	•	F	┢	H	•	•
	1-479-397-41	#	(English)KEYBOARD UNIT(BE)		†	†	†	†		T	•			
	1-479-398-11	#	(English)KEYBOARD UNIT(GB)		-	1		1		•	•	•		
	1-479-398-21	#	(German)KEYBOARD UNIT(DE)		T	T-					•	•		
	1-479-398-31	#	(English, German, French, Italian) KEYBOARDUNIT(CH)		T	T-					•	•		
	1-479-398-41	#	(French)KEYBOARD UNIT(FR)	T	T	Т	T	Г			•	•		
	1-479-398-51	#	(Italian)KEYBOARD UNIT(IT)								•	•		
	1-479-398-91	#	(English)KEYBOARD UNIT(PT)	T	Γ	Γ		Г				•		
2	X-2102-303-1		RJ3 HOOD CA ASSY					•	•	•		•	•	•
	X-2102-305-1		RJ3 HOOD ASSY	•	•	•	•	•	•		•			
16	1-479-129-12		BLUETOOTH MODULE		•			•	•	•		•	•	•
25	A-1144-175-A	\$	COMPLETE PWB CNX-346		•			•	•	•		•	•	•
26	A-1144-051-A		BLUETOOTH ANTENNA		•			•	•	•		•	•	•
28	1-964-442-11		HARNESS BLUETOOTH FOR RJ3	T	•			•	•	•		•	•	•

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VGN-BX143C/BX143CP/BX145CP/BX165CP/BX168GP/BX178CP (AO)

P-4. Palmrest (17-inch Model) △[MA]

Ref.No.	Part No.			Description
2 3 6 7 10	X-2102-307-1 X-2067-827-1 2-639-774-01 2-639-777-01 2-651-390-01			RJ5 HOOD CA ASSY RJ1 HOLDER TP ASSY RJ1 LATCH DETECTOR RJ1 SPRING LATCH DECTOR RJ5 BRACKET KEYBOARD
12 13 14	A-1144-164-A A-1144-163-A A-1144-166-A A-1144-178-A 1-964-217-11	\$ \$ \$		COMPLETE PWB IFX-429 COMPLETE PWB SWX-199 COMPLETE PWB SWX-200 COMPLETE PWB SWX-212 HARNESS RJ5 T/P -> M/S
16 19 21 22 23	1-479-129-12 1-797-300-11 1-964-204-11 1-964-200-11 1-964-215-11			BLUETOOTH MODULE TOUCH PAD HARNESS M/B -> P/S HARNESS FINGER PRINT CABLE HARNESS RJ5 P/S -> BTN
28	1-964-207-11 A-1144-175-A A-1144-051-A 1-964-445-11 2-668-116-01	\$		HARNESS T/P -> T/P MODULE COMPLETE PWB CNX-346 BLUETOOTH ANTENNA HARNESS BLUETOOTH FOR RJ5 INSULATOR FPB RJ1
45 46	2-671-052-01			KAPTON TAPE (●3) MYLAR LATCH RJ5
B4 B5	4-672-836-11 4-672-836-01 2-022-855-01 A-1168-308-A		<&>	SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW M2 EG CHINA SCREW (M2X2) GP

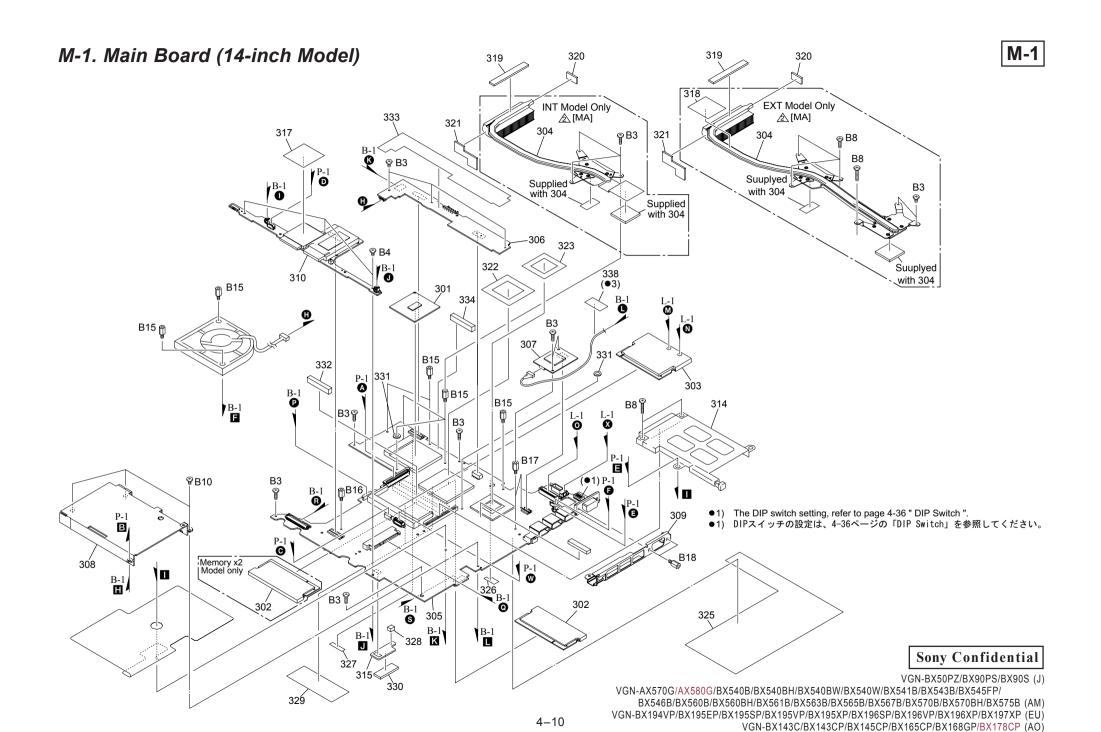
^(●3) Use the KAPTON TAPE



				L		А٨	Л		ΕU	JA
Ref. No.	Part No.		Description	BX575B	AX570G	AX580G	BX570B*	\times	BX197XP	
1	1-479-397-21	#	KEYBOARD UNIT(US)	•	•	•	•	•		T
	1-479-397-41	#	(English)KEYBOARD UNIT(BE)			-			•	t
	1-479-398-11	#	(English)KEYBOARD UNIT(GB)						•	t
	1-479-398-21	#	(German)KEYBOARD UNIT(DE)						•	t
	1-479-398-31	#	(English, German, French, Italian)KEYBOARDUNIT(CH)	1					•	Ť
	1-479-398-41	#	(French)KEYBOARD UNIT(FR)						•	t
	1-479-398-51	#	(Italian)KEYBOARD UNIT(IT)						•	İ
	1-479-398-61	#	(Spanish)KEYBOARD UNIT(ES)						•	t
	1-479-398-71	#	(English)KEYBOARD UNIT(SE)	1					•	Ť
	1-479-398-91	#	(English)KEYBOARD UNIT(PT)	1					•	Ť
4	X-2067-939-1		RJ5 HOUSING PALMREST ASSY	•	•		•	•	•	T
	X-2108-738-1		RJ5 HOUSING PALMREST GM ASSY	T		•				T

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- ・この部品表は、機種共通の部品と、機種によって使い分けが必要な部品に分かれています。

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M-1. Main Board (14-inch Model)

Ref.No.	Part No.		Description
307 308 * 309	A-1144-179-A 1-417-539-12 2-639-754-01 2-639-750-01 A-1144-167-A	#	COMPLETE PWB PWS-51 MODEM CARD RJ1 GUIDE HDD RJ1 BRACKET IO COMPLETE PWB IFX-431
315 317 319	1-820-054-11 A-1144-174-A 2-668-158-01 2-667-919-01 2-667-917-01	\$	CONNECTOR, PC CARD COMPLETE PWB CNX-345 CUSHION SD COOLING UL SPONGE 3 RJ1 COOLING UL SPONGE 1 RJ1
322 323 325	2-667-918-01 2-668-067-01 2-668-066-01 2-668-172-01 2-667-912-01		COOLING UL SPONGE 2 RJ1 KAPTON NB RJ1 KAPTON VGA RJ1 GRAPHITE SHEET RJ1 INSULATOR HOOK R RJ1
328 329 330	2-667-913-01 2-668-151-01 2-667-914-01 2-668-120-01 2-668-177-01		INSULATOR HOOK L RJ1 CUSHION TPM RJ1 KAPTON RAM RJ1 CUSHION TPM B RJ1 SPACER HOUSING B. RJ1
333	2-667-915-01 2-668-117-01 2-667-921-01		SPONGE WIRELESS 1 RJ1 KAPTON CHARGER BOARD RJ1 SPACER CHARGER BOARD RJ1 KAPTON TAPE (•3)
B4 B8 B10	4-672-836-11 4-672-836-01 A-1168-310-A 4-671-538-11 A-1168-309-A		SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW ,M2 SPECIAL HEAD,EG GRIP CHINA SCREW (M2X12) GP SCREW(M2X4), SPECIAL HEAD STAND OFF GP
B17	4-651-989-01 4-651-989-41 4-635-966-21		SPACER (MBX) SPACER (MBX) SCREW (HEX)

(●3) Use the KAPTON TAPE

M-1

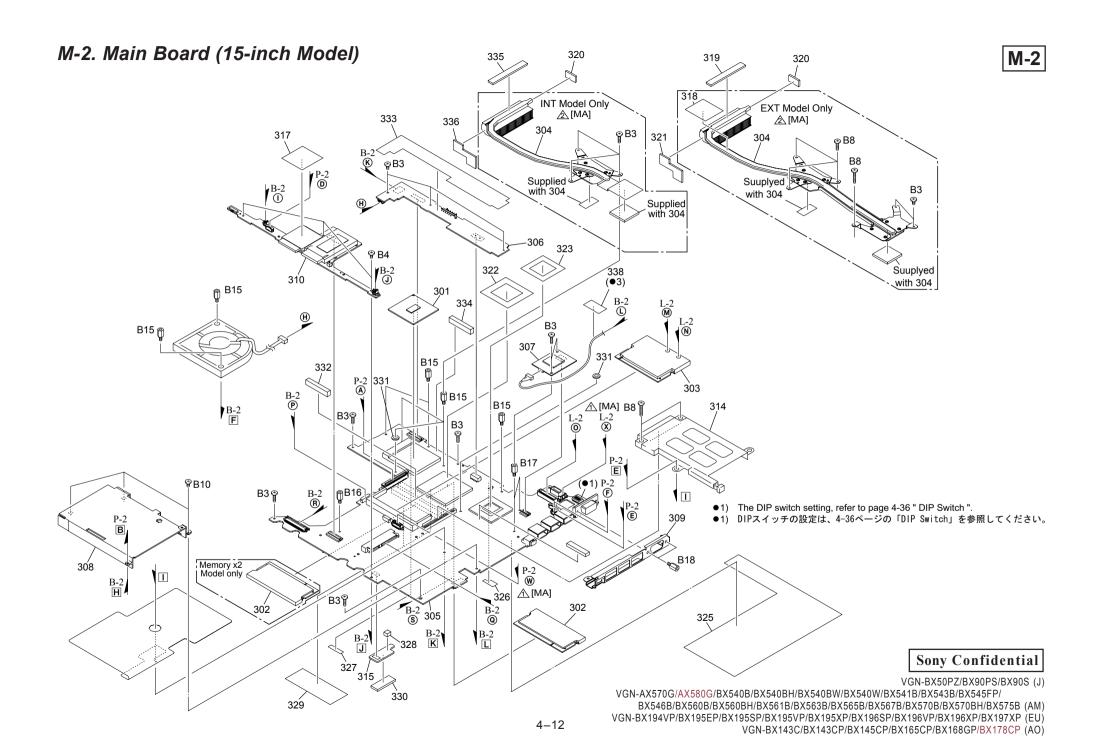
1						J				ΑN	1		E	ΕU	Α	0
Ref. No.	Part No.		Description	BX50PZ	BX90PS	BX90PS*	BS90S*	BX543B	BX541B	BX546B	BX545FP	BX540B*/BX540BV*	BX540BH*/BX540V*	BX194VP	BX145CP	BX143CP
301	6-708-558-01		IC RH80536NC0211MSL8MM	•		•	•				-	•	•			
	6-707-258-01		IC RH80536GE0302MSL7SA		•	•	•	•	•	•	•	•	•	•	T	•
	6-707-259-01	 	IC RH80536GE0362MSL7S9								-	•	•	П	•	
	6-707-260-01		IC RH80536GE0412MSL7SM			•	•				-	•	•	П	T	
	6-707-261-01	 	IC RH80536GE0462MSL7SL								-	•	•	П	T	
	6-708-173-01		IC RH80536GE0512MSL7VB			•	•				-	•	•	П	T	
302	6-708-613-01	#	IC HYMP532S64P6-C4		•	•	•	T		\neg	•	寸	T	T	\top	•
	6-707-351-01	 #	IC HYMP564S64P6-C4			•	•	•	•	•	-	•	•	•	•	
	6-708-155-01	 #	IC HYS64T64020HDL-3.7-A	•		•	•	•	•		-	•	•	•		
	6-708-619-01	 #	IC EBE52UD6AFSA-5C-E			•	•	•	•		-	•	•	•		
	6-708-860-01	 #	IC IC HYMP532S64P6-C4-A			•	•				-	•	•			
	6-708-154-01	 #	IC HYS64T128021HDL-3.7-A								-	•	•			
303	1-761-864-51	#	WIRELESS LAN CARD					•	•	•	• (•	•	T	\top	\exists
	1-761-864-64	 #	WIRELESS LAN CARD	•	•	•	•					_	7			
	1-761-864-71	 #	WIRELESS LAN CARD									_	7	•	•	•
304	A-1146-180-A		RJ1 HEAT SINK UNIT INT	•		•	•	•	•	ヿ	• (•	•	•	•	•
A]	A-1146-179-A	 	RJ1 HEAT SINK UNIT EXT		•	•-	•	1		•	-	•	•			
305	A-1144-161-A	\$ #	COMPLETE PWB MBX-142 INT			•	•	•	•	•	•	•	•	•	•	•
A]	A-1144-162-A	\$ #	COMPLETE PWB MBX-142 EXT	•												
A]	A-1173-868-A	\$ #	COMPLETE PWB MBX-154 EXT		•	•-	•				-	•	•			
318	2-668-064-01		AL SHEET BRACKET BAY RJ1		•	•-	•	П		•	-	•	•	\Box	•	•
				[MA]	[MA]				-	MA]	Æ [₩]			4	Ø ,	[MA]

This parts list contains two different types of parts.
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- ・この部品表は、機種共通の部品と、機種によって使い分けが必要な部品に分かれています。
- •1) The DIP switch setting, refer to page 4-36 " DIP Switch ".
- ●1) DIPスイッチの設定は、4-36ページの「DIP Switch」を参照してください。

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M-2. Main Board (15-inch Model)

Ref.No.	Part No.		Description
306 307	1-761-864-71 A-1144-179-A 1-417-539-12 2-639-754-01 2-639-750-01	# \$ # #	WIRELESS LAN CARD COMPLETE PWB PWS-51 MODEM CARD RJ1 GUIDE HDD RJ1 BRACKET IO
314 315 317	A-1144-167-A 1-820-054-11 A-1144-174-A 2-668-158-01 2-667-917-01	\$	COMPLETE PWB IFX-431 CONNECTOR, PC CARD COMPLETE PWB CNX-345 CUSHION SD COOLING UL SPONGE 1 RJ1
323 325 326	2-668-067-01 2-668-066-01 2-668-172-01 2-667-912-01 2-667-913-01		KAPTON NB RJ1 KAPTON VGA RJ1 GRAPHITE SHEET RJ1 INSULATOR HOOK R RJ1 INSULATOR HOOK L RJ1
329 330 331	2-668-151-01 2-667-914-01 2-668-120-01 2-668-177-01 2-667-915-01		CUSHION TPM RJ1 KAPTON RAM RJ1 CUSHION TPM B RJ1 SPACER HOUSING B RJ1 SPONGE WIRELESS 1 RJ1
334 335	2-668-117-01 2-667-921-01 2-668-068-01 2-668-072-01		KAPTON CHARGER BOARD RJ1 SPACER CHARGER BOARD RJ1 COOLING UL SPONGE 1 RJ2 COOLING UL SPONGE 2 RJ2 KAPTON TAPE (•3)
B4 B8 B10	4-672-836-11 4-672-836-01 A-1168-310-A 4-671-538-11 A-1168-309-A		SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW ,M2 SPECIAL HEAD,EG GRIP CHINA SCREW (M2X12) GP SCREW(M2X4), SPECIAL HEAD STAND OFF GP
B17	4-651-989-01 4-651-989-41 4-635-966-21		SPACER (MBX) SPACER (MBX) SCREW (HEX)

(●3) Use the KAPTON TAPE

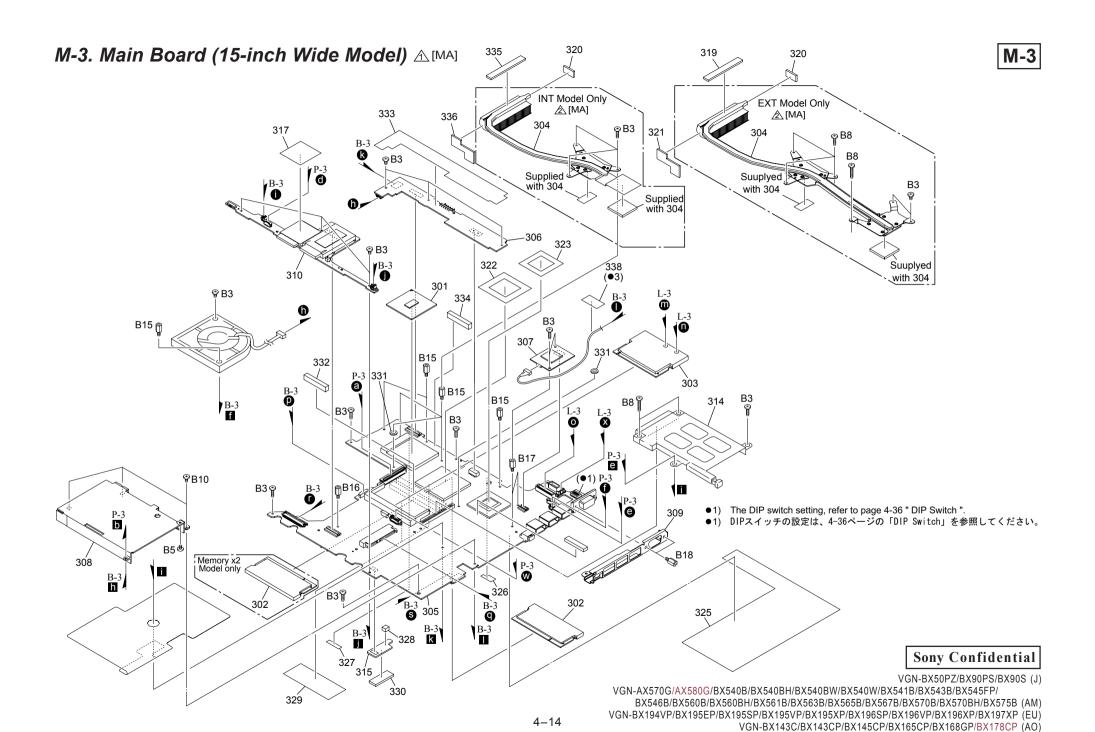
M-2

Ref. No. Part No. Description 301 6-707-258-01 IC RH80536GE0302MSL7SA 6-708-172-01 IC RH80536NC0251MSL8MN 1A) 6-707-259-01 IC RH80536NC0251MSL8MN 6-707-259-01 IC RH80536NC0251MSL8MN 1A) 6-707-259-01 IC RH80536CE0362MSL7S9 6-708-619-01 # IC HYMP552564P6-C4 6-707-351-01 # IC HYMP562564P6-C4 6-708-159-01 # IC HYMP564784P6-C4 6-708-159-01 # IC HYMP564784P6-C4 6-708-159-01 # IC EBE52UD6AFSA-5C-E 9 304 A-1146-180-A RJ1 HEAT SINK UNIT INT A-1146-179-A RJ1 HEAT SINK UNIT EXT AN A-1144-161-A \$ # COMPLETE PWB MBX-142 INT A-1144-162-A \$ # COMPLETE PWB MBX-142 EXT AN A-1144-162-A \$ # COMPLETE PWB MBX-142 EXT AN A-1144-162-A \$ # COMPLETE PWB MBX-142 EXT AN A-1144-162-A \$ # COMPLETE PWB MBX-142 EXT						H	E	U	Т
301 6-707-258-01 IC RH80536GE0302MSL7SA						X195X	X195V	X195E	× 10
6-708-172-01 IC RH80536NC0251MSL8MN 6-707-259-01 IC RH80536C0362MSL7S9	Ref.	No.	Part No.		Description				
A	30	1	6-707-258-01		IC RH80536GE0302MSL7SA		•		Γ
302 6-708-613-01 # IC HYMP532S64P6-C4			6-708-172-01		IC RH80536NC0251MSL8MN		T	•	Γ
6-707-351-01 # IC HYMP564S64P6-C4 6-708-155-01 # IC HYMP564S64P020HDL-3.7-A 6-708-619-01 # IC EBE52UD6AFSA-5C-E 304 A-1146-180-A RJ1 HEAT SINK UNIT INT A-1146-179-A RJ1 HEAT SINK UNIT EXT 305 A-1144-161-A \$ COMPLETE PWB MBX-142 INT A-1144-162-A \$ # COMPLETE PWB MBX-142 EXT	A]		6-707-259-01		IC RH80536GE0362MSL7S9	•	T	Γ	Ī
6-708-155-01 # IC HYS64T64020HDL-3.7-A	30	2	6-708-613-01	#	IC HYMP532S64P6-C4	Т		•	T
6-708-619-01 # IC EBE52UD6AFSA-5C-E 304 A-1146-180-A RJ1 HEAT SINK UNIT INT A-1146-179-A RJ1 HEAT SINK UNIT EXT 305 A-1144-161-A \$ # COMPLETE PWB MBX-142 INT A-1144-162-A \$ # COMPLETE PWB MBX-142 EXT			6-707-351-01	 #	IC HYMP564S64P6-C4	•	•	Г	1
304			6-708-155-01	 #	IC HYS64T64020HDL-3.7-A	-T	•	Г	•
A A-1146-179-A RJ1 HEAT SINK UNIT EXT 305 A-1144-161-A \$ # COMPLETE PWB MBX-142 INT A-1144-162-A \$ # COMPLETE PWB MBX-142 EXT			6-708-619-01	 #	IC EBE52UD6AFSA-5C-E	-T	•	Г	T
305 A-1144-161-A \$ # COMPLETE PWB MBX-142 INT • • A-1144-162-A \$ # COMPLETE PWB MBX-142 EXT • •	304	4	A-1146-180-A		RJ1 HEAT SINK UNIT INT		•	•	1
A] A-1144-162-A \$ # COMPLETE PWB MBX-142 EXT	N]		A-1146-179-A		RJ1 HEAT SINK UNIT EXT	•	T	Γ	Γ
	30	5	A-1144-161-A	\$ #	COMPLETE PWB MBX-142 INT	Т	•	•	•
A] 318 2-668-064-01 AL SHEET BRACKET BAY RJ1	N]		A-1144-162-A	\$ #	COMPLETE PWB MBX-142 EXT	•	1	Т	T
	31	8	2-668-064-01		AL SHEET BRACKET BAY RJ1			Г	T

[MA]

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- ・この部品表は、機種共通の部品と、機種によって使い分けが必要な部品に分かれています。
- •1) The DIP switch setting, refer to page 4-36 " DIP Switch ".
- ●1) DIPスイッチの設定は、4-36ページの「DIP Switch」を参照してください。

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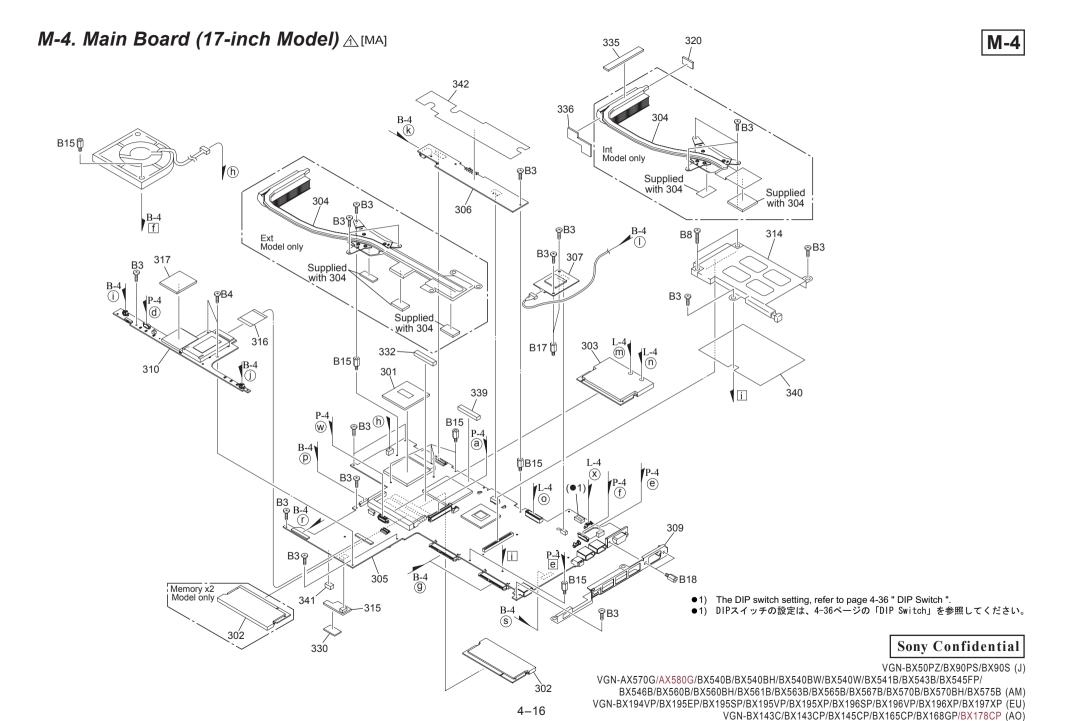
Ref.No.	Part No.		Description
307 308 * 309	A-1144-179-A 1-417-539-12 2-667-845-01 2-639-750-01 A-1144-167-A	#	COMPLETE PWB PWS-51 MODEM CARD RJ3 GUIDE HDD RJ1 BRACKET IO COMPLETE PWB IFX-431
317 320	1-820-054-11 A-1144-174-A 2-668-158-01 2-667-917-01 2-668-067-01	\$	CONNECTOR, PC CARD COMPLETE PWB CNX-345 CUSHION SD COOLING UL SPONGE 1 RJ1 KAPTON NB RJ1
325 326 327	2-668-066-01 2-668-172-01 2-667-912-01 2-667-913-01 2-668-151-01		KAPTON VGA RJ1 GRAPHITE SHEET RJ1 INSULATOR HOOK R RJ1 INSULATOR HOOK L RJ1 CUSHION TPM RJ1
330	2-667-914-01 2-668-120-01 2-668-177-01 2-667-915-01 2-668-117-01		KAPTON RAM RJ1 CUSHION TPM B RJ1 SPACER HOUSING B RJ1 SPONGE WIRELESS 1 RJ1 KAPTON CHARGER BOARD RJ1
335	2-667-921-01 2-668-068-01 2-668-072-01		SPACER CHARGER BOARD RJ1 COOLING UL SPONGE 1 RJ2 COOLING UL SPONGE 2 RJ2 KAPTON TAPE (●3)
B10 B3 B8	2-022-855-01 4-671-538-11 4-672-836-11 A-1168-310-A A-1168-309-A		SCREW M2 EG SCREW(M2X4), SPECIAL HEAD SCREW, M2 SPECIAL HEAD,EG GRIP CHINA SCREW (M2X12) GP STAND OFF GP
B17 B18	4-651-989-01 4-651-989-41 4-635-966-21		SPACER (MBX) SPACER (MBX) SCREW (HEX)

^(●3) Use the KAPTON TAPE

						_	Α	M	1			EU		F	10
Ref. No.	Part No.		Description		BX567B	BX565B	BX563B	BX561B	BX560B*	BX560BH*	BX196XP	BX196VP	BX196SP	BX168SP	BX165CP
301	6-707-260-01		IC RH80536GE0412MSL7SM						•	•				•	
	6-707-258-01		IC RH80536GE0302MSL7SA				•	•	•	•		•			
	6-707-259-01		IC RH80536GE0362MSL7S9		•	•			•	•	•		•		•
	6-707-261-01		IC RH80536GE0462MSL7SL			T			•	•					
	6-707-268-01		IC RH80536NC0211MSL86J			T			•	•					
	6-708-173-01		IC RH80536GE0512MSL7VB						•	•					
	6-708-558-01		IC RH80536NC0211MSL8MM						•	•					
302	6-707-351-01	#	IC HYMP564S64P6-C4		•	•	•	•	•	•	•	•	•	•	•
	6-708-154-01	#	IC HYS64T128021HDL-3.7-A						•	•					
	6-708-860-01	#	IC IC HYMP532S64P6-C4-A						•	•					
303	1-761-864-71	#	WIRELESS LAN CARD								•	•	•	•	•
	1-761-864-51	#	WIRELESS LAN CARD		•	•	•	•	•	•					
304	A-1146-180-A		RJ1 HEAT SINK UNIT INT		•	•	•	•	•	•		•	•	•	•
	A-1146-179-A		RJ1 HEAT SINK UNIT EXT						•	•	•				
305	A-1144-161-A	\$#	COMPLETE PWB MBX-142 INT		•	•	•	•	•	•		•	•	•	•
	A-1144-162-A	\$#	COMPLETE PWB MBX-142 EXT		$oxed{oxed}$				•	•	•				
				Z	V] [N	IA]					[MA]				[MA]

- This parts list contains two different types of parts.
 The first type is the parts that are common to all models.
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- この部品表は、機種共通の部品と、機種によって使い分けが必要な部品に分かれています。
- •1) The DIP switch setting, refer to page 4-36 " DIP Switch ".
- ●1) DIPスイッチの設定は、4-36ページの「DIP Switch」を参照してください。

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M-4. Main Board (17-inch Model) △ [MA]

Re	f.No.	Part No.		Description
*	307 309 310	A-1144-180-A 1-417-539-12 2-651-373-01 A-1144-177-A 1-820-054-11	\$ #	COMPLETE PWB PWS-54 MODEM CARD RJ5 BRACKET IO COMPLETE PWB IFX-434 CONNECTOR, PC CARD
	316 317	A-1144-174-A 1-964-223-11 2-668-158-01 2-667-917-01 2-668-120-01	\$	COMPLETE PWB CNX-345 HARNESS RJ5 M/B TO M/S CUSHION SD COOLING UL SPONGE 1 RJ1 CUSHION TPM B RJ1
	336 339 340			COOLING UL SPONGE 1 RJ2 COOLING UL SPONGE 2 RJ2 SPONG CHARGER BOARD RJ5 MYLAR PCMCIA RJ5 CUSHION TPM
	342	2-671-053-01		KAPTON CHARGER BOARD
	B4 B8 B15	4-672-836-11 4-672-836-01 A-1168-310-A A-1168-309-A 4-651-989-41		SCREW .M2 SPECIAL HEAD,EG GRIP SCREW .M2 SPECIAL HEAD,EG GRIP CHINA SCREW (M2X12) GP STAND OFF GP SPACER (MBX)
	B18	4-635-966-21		SCREW (HEX)

M-4

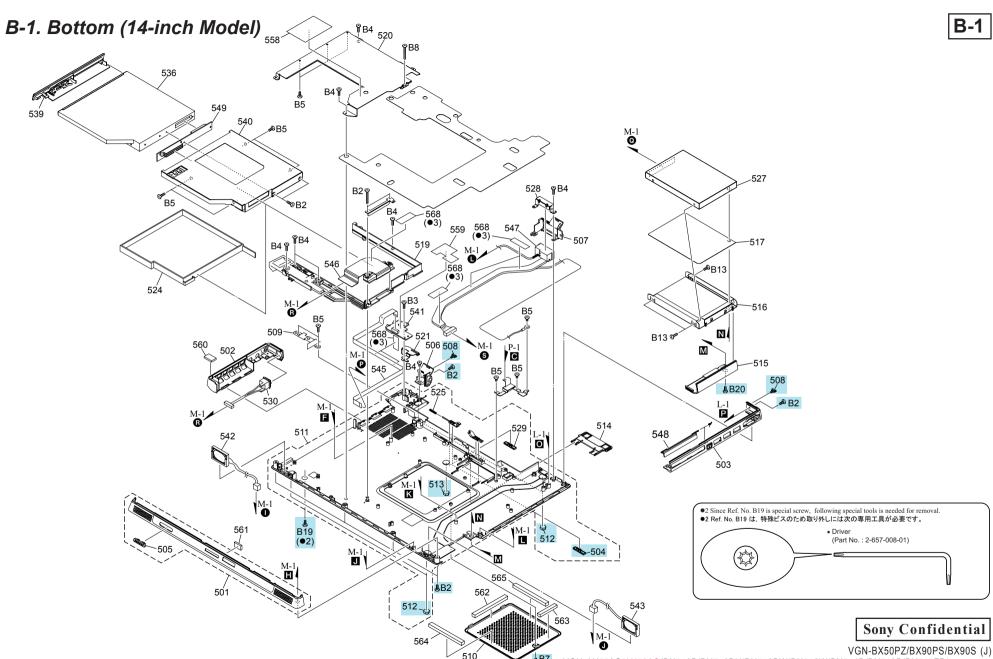
						A۱	1		ΕU	AC
Ref. No.	Part No.		Description	BX575B	AX570G	AX580G	BX570B*	BX670BH*	BX197XP	RX178CP
301	6-707-259-01		IC RH80536GE0362MSL7S9	•	•	•	•		Т	T
301	6-707-259-01	 	IC RH80536GE0362MSL7S9	•	•	-	•	•	-	T
	6-707-260-01	 	IC RH80536GE0412MSL7SM			•	•	•	•	•
	6-707-258-01	 	IC RH80536GE0302MSL7SA				•	•		Т
	6-707-261-01		IC RH80536GE0462MSL7SL		T		•	•		Т
	6-707-268-01		IC RH80536NC0211MSL86J		T		•	•		Т
	6-708-173-01		IC RH80536GE0512MSL7VB		T		•	•		Т
	6-708-558-01		IC RH80536NC0211MSL8MM		T		•	•		Т
302	6-708-155-01	 #	IC HYS64T64020HDL-3.7-A	•	•		•	•		Ι
	6-708-154-01	#	IC HYS64T128021HDL-3.7-A				•	•	•	I
	6-708-860-01	 #	IC IC HYMP532S64P6-C4-A		L		•	•	<u> </u>	L
MA]	6-707-351-01	#	IC HYMP564S64P6-C4			•				•
303	1-761-864-51	 #	WIRELESS LAN CARD	•	•	•	•	•		\Box
	1-761-864-71	#	WIRELESS LAN CARD						•	•
304	A-1146-181-A	 	RJ5 HEAT SINK UNIT EXT	•	•	•	•	•	•	•
	A-1146-182-A		RJ5 HEAT SINK UNIT INT				•	•		
305	A-1144-176-A	\$ #	COMPLETE PWB MBX-148 EXT	•	•	•	•	•	•	•
- 1	A-1144-786-A	\$ #	COMPLETE PWB MBX-148 INT				•	•	1	

This parts list contains two different types of parts.
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The other type is the parts that are different depending on each model.

- ・この部品表は、機種共通の部品と、機種によって使い分けが必要な部品に分かれています。
- •1) The DIP switch setting, refer to page 4-36 " DIP Switch ".
- ●1) DIPスイッチの設定は、4-36ページの「DIP Switch」を参照してください。

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B-1. Bottom (14-inch Model)

Ref.No.	Part No.			Description
502 503 504 505 506	2-639-721-01 2-639-720-01 2-639-737-01 2-639-736-01 2-639-722-01		&	RJ1 ESCUSHION LEFT RJ1 ESCUSHION RIGHT RJ1 BUTTON BATTERY R RJ1 BUTTON WIRELESS RJ1 COVER HINGE L
507 508 * 509 510 511	2-639-723-01 2-639-749-01 2-639-746-01 X-2067-826-1 X-2108-070-1		&	RJ1 COVER HINGE R RJ1 RUBBER COVER HINGE RJ1 COVER HOOK L RJ1 COVER MEMORY ASSY RJ1 HOUSING BOTTOM
512 513 514 515 516	2-639-747-01 2-639-748-01 2-639-742-01 2-639-751-01 2-639-752-01		& &	RJ1 RUBBER FOOT RJ1 RUBBER FOOT C RJ1 DOOR DOCKING RJ1 DOOR HDD RJ1 HOLDER HDD
517 519 * 520 * 521 524	2-639-753-01 2-639-758-01 2-639-757-01 2-639-755-01 2-639-701-01			RJ1 INSULATOR HDD RJ1 GUIDE BAY RJ1 BRACKET BAY RJ1 BRACKET DC RJ1 WEIGHT SAVER
* 528 529	2-639-741-01 2-639-756-01 2-639-738-01 1-964-202-11 X-2102-966-1			RJ1 SPRING HOOK BATTERY L RJ1 BRACKET LAN RJ1 BUTTON BATTERY L HARNESS RJ1 DC CABLE RJ1 BEZEL ODD ASSY
540 541 542 543 545	X-2108-456-1 A-1144-165-A 1-826-269-11 1-826-270-11 1-964-206-11	\$	#	RJ1 CHASSIS ODD ASSY COMPLETE PWB IFX-430 SPEAKER (L-CH) SPEAKER (R-CH) HARNESS RJ1/2 M/B -> AUDIO
546 547 548 549 558	1-964-219-11 1-964-194-11 2-639-724-01 A-1144-171-A 2-668-155-01	\$		HARNESS RJ1/2 M/B TO BAY HARNESS RJ45+RJ11 CABLE RJ1 SHUTTER PCMCIA COMPLETE PWB CNX-328 INSULATOR BKT BAY
559 560 561 562 563	2-668-118-01 2-667-920-01 2-667-916-01 2-668-173-01 2-668-174-01			INSULATOR AUDIO RJ1 COOLING UL SPONGE 4 RJ1 SPONGE MEMORY LENS RJ1 CUSHION COV. MEM. 1 RJ1 CUSHION COV. MEM. 2 RJ1
564 565 568	2-668-175-01 2-668-176-01			CUSHION COV. MEM. 3 RJ1 CUSHION COV. MEM. 4 RJ1 KAPTON TAPE (●3)
	A-1168-312-A 4-672-836-11 4-672-836-01 2-022-855-01 2-666-904-01		<&>	CHINA SCREW (M2X8) GP SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW M2 EG COSMETIC SCREW FOR HDD
B7 B8 B13 B19 B20	4-672-834-21 A-1168-310-A 4-673-018-02 2-657-007-01 A-1168-307-A			SCREW, +B EG GRIP CHINA SCREW (M2X12) GP SCREW SPECIAL HEAD SECURITY SCREW CHINA SCREW (M3X8) GP
(●3) Use	the KAPTON TA	PE		

						J				A٨	Λ			EU		ΑO
Ref. No.	Part No.		Description	1X50PZ	BX90PS	BX90PS*	\$S90S*	X54	X54	X54	X545FP	X540B*/BX540	BX540BH*/BX540V	X194	X145C	BX143CP
501	X-2067-830-1		Description RJ1 ESCUSHION FR W ASSY	Δ.	ш	-	В	В		۳,	_	4	-	-	m	4
301	X-2007-830-1 X-2067-829-1	 	RJ1 ESCUSHION FR WB ASSY						-	-	-	•	-		-	-
527	A-1133-172-A	\$ #	HDD (40GB,HTS541040)(-21) (S)	-	٠	•	•	Н	\dashv	+	_	•	•	-	-	•
	A-1133-171-A	\$ 	HDD (60GB,HTS541060)(-21) (S)			•	•	-	•	-+	+	•	•	-+	•	
	A-1133-170-A	#	HDD (80GB,HTS541080)(-21) (S)			•	•	•		•	•	•	•	•		
	A-1133-169-A	 #	HDD (100GB,HTS541010)(-21) (S)			•	•		-		1	•	•	_		
	A-1148-380-A	#	HDD (ST9120821AS-120GB) (S)			•	•		-		1	•	•	_		
1	A-1133-923-A	#	HDD (MK6032GSX-60GB) (S)		•	_			_	_	+	_	_	_		-
536	1-797-277-11	\$ #	COMBO DRIVE (SBW-243)	•	•	•	•	H	•	-	•	•	•	_	•	• (
	8-457-665-60	\$ #	DRIVE, DVD DW-Q58A-VN			•	•	•	_	•	-	•	•	_		-
	1-797-366-11	\$ #	DVD+-RW (DVR-K16VAS)			•	•	\Box	_	_	-	•	•	•		-
			,	Æ[wa]	[MA]				- 2	2 Z	î N				2 Z	MA V

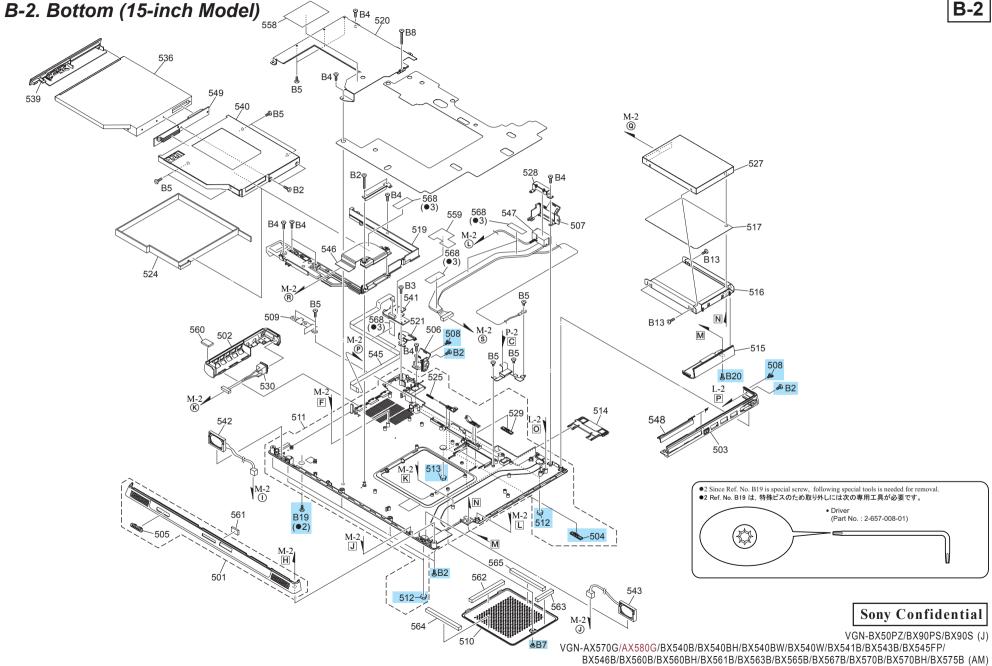
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VGN-BX194VP/BX195EP/BX195SP/BX195VP/BX195XP/BX196SP/BX196VP/BX196XP/BX197XP (EU)

VGN-BX143C/BX143CP/BX145CP/BX165CP/BX168GP/BX178CP (AO)

B-2. Bottom (15-inch Model)

Ref.No.	Part No.		Description
502 503 504 505 506	2-639-721-01 2-639-720-01 2-639-737-01 2-639-736-01 2-651-903-01	&	RJ1 ESCUSHION LEFT RJ1 ESCUSHION RIGHT RJ1 BUTTON BATTERY R RJ1 BUTTON WIRELESS RJ2 COVER HINGE L
507 508 * 509 510 511	2-651-904-01 2-639-749-01 2-639-746-01 X-2067-826-1 X-2108-071-1	&	RJ2 COVER HINGE R RJ1 RUBBER COVER HINGE RJ1 COVER HOOK L RJ1 COVER MEMORY ASSY RJ2 HOUSING BOTTOM ASSY
512 513 514 515 516	2-639-747-01 2-639-748-01 2-639-742-01 2-639-751-01 2-639-752-01	& &	RJ1 RUBBER FOOT RJ1 RUBBER FOOT C RJ1 DOOR DOCKING RJ1 DOOR HDD RJ1 HOLDER HDD
517 519 * 520 * 521 524	2-639-753-01 2-639-758-01 2-639-757-01 2-639-755-01 2-639-701-01		RJ1 INSULATOR HDD RJ1 GUIDE BAY RJ1 BRACKET BAY RJ1 BRACKET DC RJ1 WEIGHT SAVER
525 * 528 529 530 536	2-639-741-01 2-639-756-01 2-639-738-01 1-964-209-11 1-797-366-11	\$ #	RJ1 SPRING HOOK BATTERY L RJ1 BRACKET LAN RJ1 BUTTON BATTERY L HARNESS RJ2,3,5 DC CABLE DVD+-RW (DVR-K16VAS)
539 540 541 542 543	X-2102-966-1 X-2108-456-1 A-1144-165-A 1-826-269-11 1-826-270-11	\$ #	RJ1 BEZEL ODD ASSY RJ1 CHASSIS ODD ASSY COMPLETE PWB IFX-430 SPEAKER (L-CH) SPEAKER (R-CH)
545 546 547 548 549	1-964-206-11 1-964-219-11 1-964-194-11 2-639-724-01 A-1144-171-A	\$	HARNESS M/B -> AUDIO HARNESS RJ1/2/3 M/B TO BAY HARNESS RJ45+RJ11 CABLE RJ1 SHUTTER PCMCIA COMPLETE PWB CNX-328
558 559 560 561 562	2-668-155-01 2-668-118-01 2-667-920-01 2-667-916-01 2-668-173-01		INSULATOR BKT BAY INSULATOR AUDIO RJ1 COOLING UL SPONGE 4 RJ1 SPONGE MEMORY LENS RJ1 CUSHION COV. MEM. 1 RJ1
563 564 565 568	2-668-174-01 2-668-175-01 2-668-176-01		CUSHION COV. MEM. 2 RJ1 CUSHION COV. MEM. 3 RJ1 CUSHION COV. MEM. 4 RJ1 KAPTON TAPE (•3)
B2 B3 B4 B5 B6	A-1168-312-A 4-672-836-11 4-672-836-01 2-022-855-01 2-666-904-01	<&>	CHINA SCREW (M2X8) GP SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW M2 EG COSMETIC SCREW FOR HDD
	4-672-834-21 A-1168-310-A 4-673-018-02 2-657-007-01 A-1168-307-A	& & &	SCREW, +B EG GRIP CHINA SCREW (M2X12) GP SCREW SPECIAL HEAD SECURITY SCREW CHINA SCREW (M3X8) GP

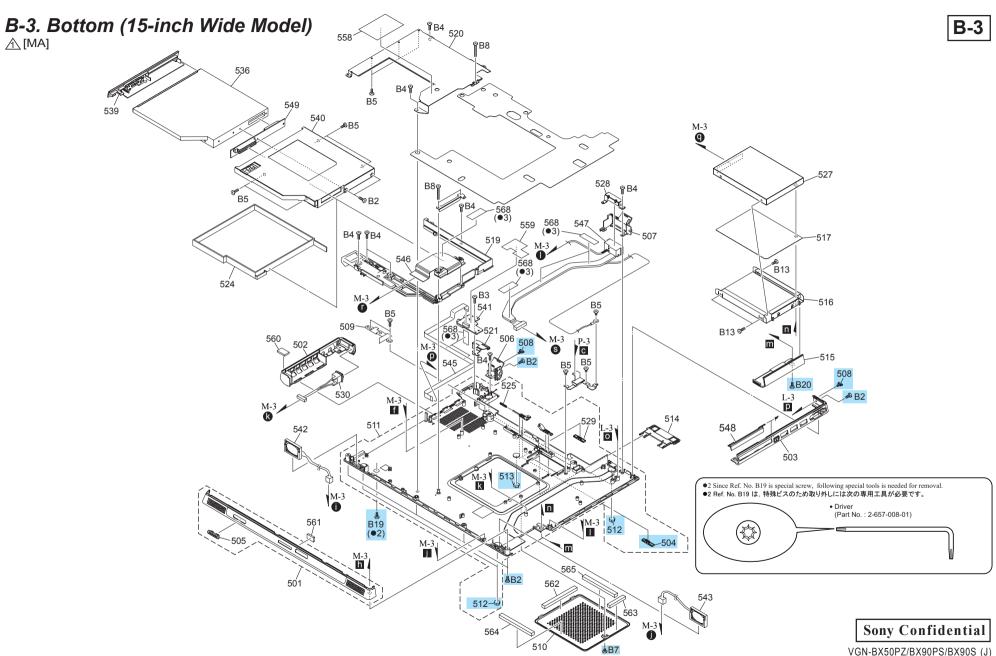
(●3) Use the KAPTON TAPE

B-2

					Τ	E	U	
	Ref. No.	Doct No.		Description	BX195XP	BX195VP	BX195EP	BX195SP
	501	X-2102-302-1		RJ2 ESCUSHION FR W ASSY	+		•	Н
⚠[MA]		X-2102-302-1	 	RJ2 ESCUSHION FR WB ASSY		┼	-	
	527	A-1133-170-A	\$ #	HDD (80GB,HTS541080)(-21) (S)	•	•	Н	•
		A-1133-171-A	\$ #	HDD (60GB,HTS541060)(-21) (S)		†	•	
					[MA]			[MA]

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VGN-AX570G/AX580G/BX540B/BX540BH/BX540BW/BX540W/BX541B/BX543B/BX545FP/BX546B/BX560B/BX560BH/BX561B/BX563B/BX565B/BX567B/BX570B/BX570BH/BX575B (AM)
VGN-BX194VP/BX195EP/BX195SP/BX195VP/BX195XP/BX196SP/BX196VP/BX196XP/BX197XP (EU)
VGN-BX143C/BX143CP/BX145CP/BX165CP/BX168GP/BX178CP (AO)

B-3. Bottom (15-inch Wide Model) △ [MA]

Ref.No.	Part No.		Description
502 503 504 505 506	2-651-353-01 2-651-352-01 2-639-737-01 2-639-736-01 2-651-354-01	&	RJ3 ESCUSHION LEFT RJ3 ESCUSHION RIGHT RJ1 BUTTON BATTERY R RJ1 BUTTON WIRELESS RJ3 COVER HINGE L
507 508 * 509 510 511	2-651-355-01 2-639-749-01 2-639-746-01 X-2067-826-1 X-2067-924-1	&	RJ3 COVER HINGE R RJ1 RUBBER COVER HINGE RJ1 COVER HOOK L RJ1 COVER MEMORY ASSY RJ3 HOUSING BOTTOM ASSY
512 513 514 515 516	2-639-747-01 2-639-748-01 2-639-742-01 2-670-273-01 2-639-752-01	& &	RJ1 RUBBER FOOT RJ1 RUBBER FOOT C RJ1 DOOR DOCKING RJ3 DOOR HDD RJ1 HOLDER HDD
519 * 520	2-639-753-01 2-639-758-01 2-639-757-01 2-639-755-01 2-639-701-01		RJ1 INSULATOR HDD RJ1 GUIDE BAY RJ1 BRACKET BAY RJ1 BRACKET DC RJ1 WEIGHT SAVER
525 * 528 529 530 539	2-639-741-01 2-639-756-01 2-639-738-01 1-964-209-11 X-2102-966-1		RJ1 SPRING HOOK BATTERY L RJ1 BRACKET LAN RJ1 BUTTON BATTERY L HARNESS RJ2,3,5 DC CABLE RJ1 BEZEL ODD ASSY
540 541 542 543 545	X-2108-456-1 A-1144-165-A 1-826-269-11 1-826-270-11 1-964-444-11	#	RJ1 CHASSIS ODD ASSY COMPLETE PWB IFX-430 SPEAKER (L-CH) SPEAKER (R-CH) HARNESS RJ3 M/B -> AUDIO
549	1-964-449-11 1-964-194-11 2-639-724-01 A-1144-171-A 2-670-078-01	\$	HARNESS RJ3 M/B -> BAY HARNESS RJ45+RJ11 CABLE RJ1 SHUTTER PCMCIA COMPLETE PWB CNX-328 rj1_holder_bay_connector
558 559 560 561 562	2-668-155-01 2-668-118-01 2-667-920-01 2-667-916-01 2-668-173-01		INSULATOR BKT BAY INSULATOR AUDIO RJ1 COOLING UL SPONGE 4 RJ1 SPONGE MEMORY LENS RJ1 CUSHION COV. MEM. 1 RJ1
563 564 565 568	2-668-174-01 2-668-175-01 2-668-176-01		CUSHION COV. MEM. 2 RJ1 CUSHION COV. MEM. 3 RJ1 CUSHION COV. MEM. 4 RJ1 KAPTON TAPE (\$3)
B2 B3 B4 B5 B7	A-1168-312-A 4-672-836-11 4-672-836-01 2-022-855-01 4-672-834-21	<&> &	CHINA SCREW (M2X8) GP SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW M2 EG SCREW, +B EG GRIP
B8 B13 B19 B20	2-657-007-01	& &	CHINA SCREW (M2X12) GP SCREW SPECIAL HEAD SECURITY SCREW CHINA SCREW (M3X8) GP

(●3) Use the KAPTON TAPE

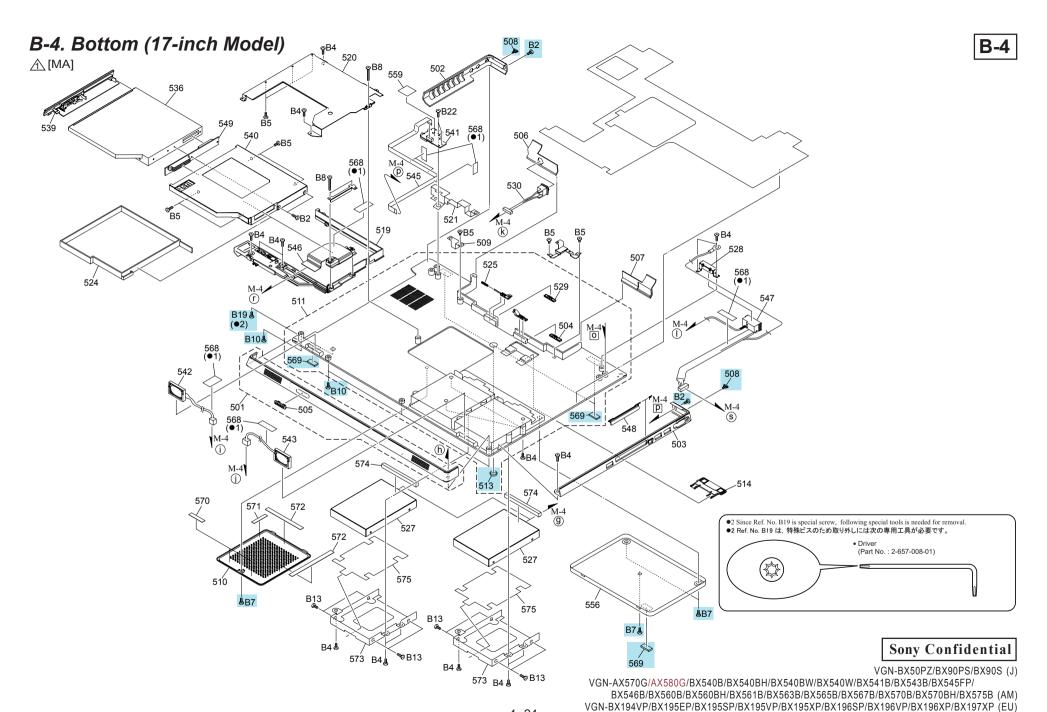


							P	M				EU	1	Α	Ю
Ref. No.	Part No.			Description	X567B	BX565B	X563B	X561B	:X560B*	X560BH*	X196XP	X196VP	X196SP	X168SP	X165CP
501				•	<u></u>	Ш	В	В	B	В	m	m	<u>=</u>	ш	<u>m</u>
501	X-2102-304-1			RJ2 ESCUSHION FR WB ASSY			ļ		•	•	•			•	•
	X-2102-306-1			RJ2 ESCUSHION FR WB ASSY			ļ		•	•	ļ	ļ	ļ		
	X-2102-349-1			RJ2 ESCUSHION FR W ASSY	•		•	•				•			
527	A-1133-171-A	\$	#	HDD (60GB,HTS541060)(-21) (S)			•		•	•				•	
	A-1133-170-A	\$	#	HDD (80GB,HTS541080)(-21) (S)	-T	•	Т	Ī	•	•	T	•			
	A-1133-922-A	\$	#	HDD (MK8032GSX-80GB) (S)	T	T	Г		Г	·	I	T			
	A-1133-169-A	\$	#	HDD (100GB,HTS541010)(-21) (S)			T		•	•	•	T	•		
	A-1133-172-A	\$	#	HDD (40GB,HTS541040)(-21) (S)			T	•	•	•					•
	A-1148-380-A	\$	#	HDD (ST9120821AS-120GB) (S)			†		•	•					
536	1-797-277-11	\$	#	COMBO DRIVE (SBW-243)	\top			•	•	•			П	•	•
	1-797-366-11	\$	#	DVD+-RW (DVR-K16VAS)			†		•	•	•	•	•		
	8-457-665-60	<u>s</u>	#	DRIVE, DVD DW-Q58A-VN		†	†		•	•	†	†	1		



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VGN-BX143C/BX143CP/BX145CP/BX165CP/BX168GP/BX178CP (AO)

B-4. Bottom (17-inch Model) △[MA]

Ref.No.	Part No.		Description
503 504	X-2102-308-1 2-666-576-01 2-666-575-01 2-639-737-01 2-639-736-01		RJ5 ESCUSHION FR WB ASSY RJ5 ESCUSHION LEFT RJ5 ESCUSHION RIGHT RJ1 BUTTON BATTERY R RJ1 BUTTON WIRELESS
507	2-651-386-01 2-651-387-01 2-639-749-01 2-639-746-01 X-2067-935-1	&	RJ5 COVER HINGE L RJ5 COVER HINGE R RJ1 RUBBER COVER HINGE RJ1 COVER HOOK L RJ5 COVER MEMORY ASSY
513 514 519	X-2067-936-1 2-639-748-01 2-639-742-01 2-639-758-01 2-639-757-01	&	RJ5 HOUSING BOTTOM ASSY RJ1 RUBBER FOOT C RJ1 DOOR DOCKING RJ1 GUIDE BAY RJ1 BRACKET BAY
524	2-651-376-01 2-639-701-01 2-639-741-01 2-651-377-01 2-639-738-01		RJ5 BRACKET DC RJ1 WEIGHT SAVER RJ1 SPRING HOOK BATTERY L RJ5 BRACKET LAN RJ1 BUTTON BATTERY L
530 539 540 541 545	1-964-209-11 X-2102-966-1 X-2108-456-1 A-1144-165-A 1-964-446-11	\$ #	HARNESS RJ2,3,5 DC CABLE RJ1 BEZEL ODD ASSY RJ1 CHASSIS ODD ASSY COMPLETE PWB IFX-430 HARNESS RJ5 M/B -> AUDIO
548 549	1-964-221-11 1-964-440-11 2-639-724-01 A-1144-171-A 2-666-578-01	\$	HARNESS RJ5 M/B TO BAY HARNESS RJ45+RJ11 CABLE FOR RJ RJ1 SHUTTER PCMCIA COMPLETE PWB CNX-328 RJ5 DOOR HDD
568	2-668-118-01 2-671-074-01 2-671-073-01 2-671-071-01	&	INSULATOR AUDIO RJ1 KAPTON TAPE (Ø 3) FRONT RUBBER RJ5 GASKET MEMORY 3 RJ5 GASKET MEMORY 1 RJ5
572 573 574 575	2-671-072-01 2-671-089-01 2-671-087-01 2-671-088-01		GASKET MEMORY 2 RJ5 BRACKET HDD RJ5 SPONG HDD RJ5 INSULATOR HDD RJ5
B4 B5	A-1168-312-A 4-672-836-01 2-022-855-01 4-672-834-21 A-1168-310-A	<&> &	SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW M2 EG
B19 B10	4-673-018-02 2-657-007-01 4-671-538-11 4-672-836-21	& &	

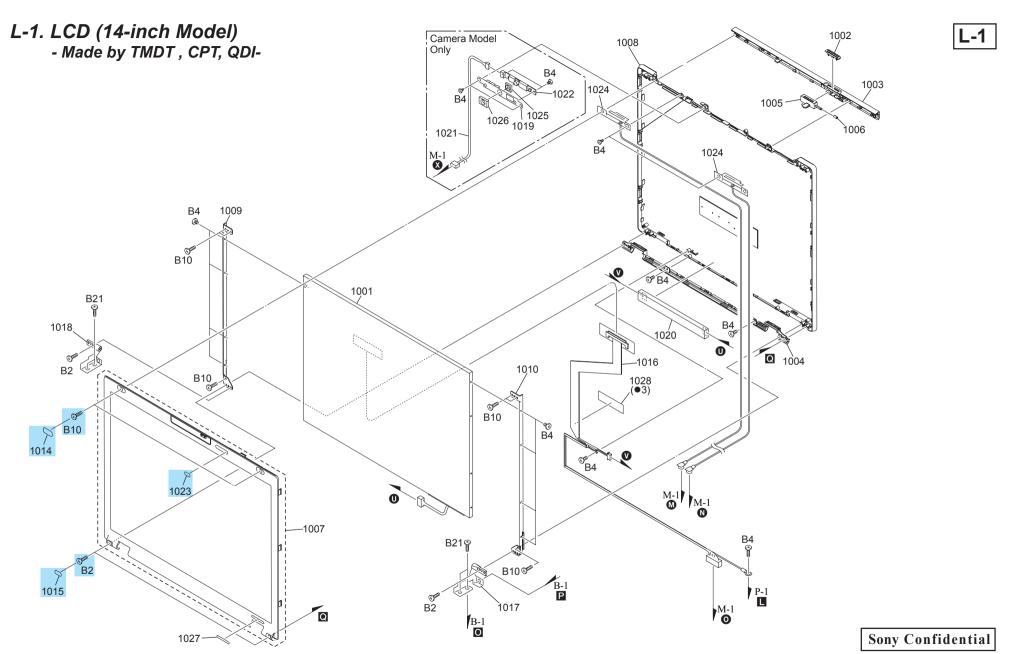
^(•3) Use the KAPTON TAPE



					_	ΑN	Л	_	EU	Α
Ref. No.	Part No.		Description	B X575B	AX570G	AX580G	BX570B*	X570	BX197XP	0.7470
527	A-1133-170-A	\$ #	HDD (80GB,HTS541080)(-21) (S)	•	•	Ħ	•	•	•	t
	A-1133-169-A	#	HDD (100GB,HTS541010)(-21) (S)		1		•	•		T
	A-1133-172-A	\$ #	HDD (40GB,HTS541040)(-21) (S)		T		•	•		T
	A-1133-171-A	\$ #	HDD (60GB,HTS541060)(-21) (S)		T		•	•		T
	A-1148-380-A	\$ #	HDD (ST9120821AS-120GB) (S)		Г		•	•	I	Γ
1	A-1133-922-A	\$ #	HDD (MK8032GSX-80GB) (S)		Г	•			I	Γ
536	8-457-665-60	\$ #	DRIVE, DVD DW-Q58A-VN		•	•	•	•		Ī
	1-797-366-11	\$ #	DVD+-RW (DVR-K16VAS)	•			•	•	•	Γ
	1-797-277-11	\$ #	COMBO DRIVE (SBW-243)				•	•		Г
542	1-826-269-11	 	SPEAKER (L-CH)	•	•		•	•	•	Γ
1	1-826-386-11		SPEAKER (L-CH) FOR RJ5			•				l
543	1-826-270-11	 	SPEAKER (R-CH)	•	•		•	•	•	Γ
	1-826-387-11		SPEAKER (R-CH) FOR RJ5		-	•				Γ

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VGN-BX50PZ/BX90PS/BX90S (J)

VGN-AX570G/AX580G/BX540B/BX540BH/BX540BW/BX540W/BX541B/BX543B/BX545FP/
BX546B/BX560B/BX560BH/BX561B/BX563B/BX565B/BX567B/BX570BH/BX575B (AM)
VGN-BX194VP/BX195EP/BX195SP/BX195VP/BX195XP/BX196SP/BX196VP/BX196XP/BX197XP (EU)
VGN-BX143C/BX143CP/BX145CP/BX165CP/BX168GP/BX178CP (AO)

L-1. LCD (14-inch Model) - Made by TMDT, CPT, QDI -

1002 2-639-789-01 1003 2-639-788-01		RJ1 BUTTON HOOK RJ1 COVER ANTENA RJ1 COVER HINGE RJ1 HOOK LCD RJ1 SPRING HOOK
1004 2-639-787-01 1005 2-639-790-01 1006 2-639-791-01		NOT OF KING HOOK
1008 X-2108-072-1 1014 2-639-803-01 1015 2-639-802-01 * 1017 2-639-798-01 * 1018 2-639-799-01	& &	
1020 1-478-805-31 1023 2-639-795-01 1024 1-754-402-11 1028	# &	INVERTER UNIT RJ1 CUSHION HOOK ANTENNA, WIRELESS KAPTON TAPE (●3)
B2 A-1168-312-A B3 4-672-836-11 B4 4-672-836-01 B9 2-667-170-01 B10 4-671-538-11	<&> <&>	SCREW ,M2 SPECIAL HEAD,EG GRIP SCREW ,M2 SPECIAL HEAD,EG GRIP CHINA SCREW (M2.6X6)
B21 A-1168-311-A		CHINA SCREW (M2.6X6) GP

^(●3) Use the KAPTON TAPE

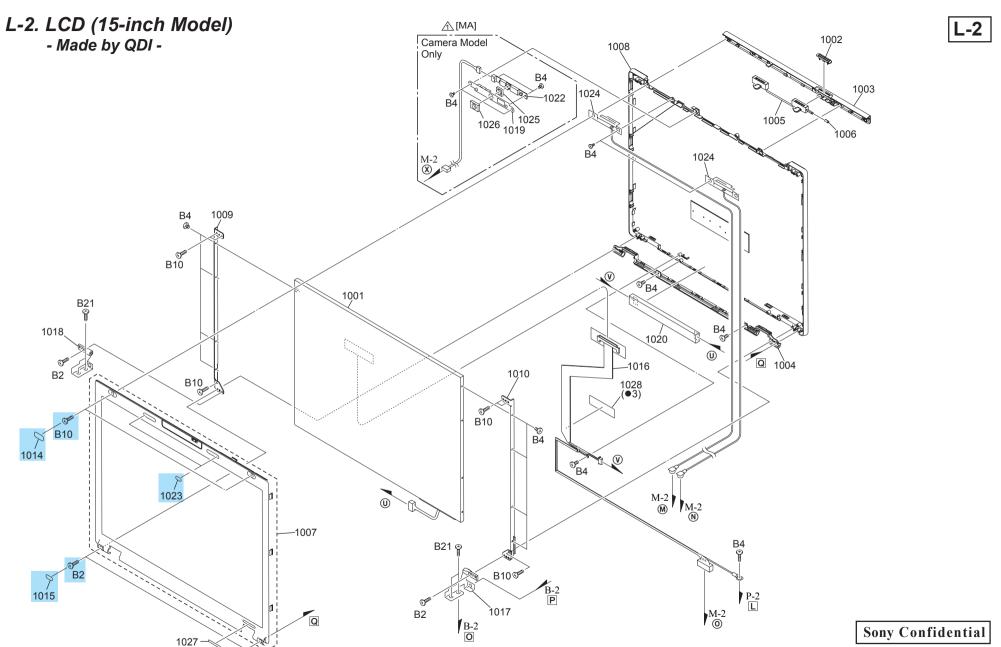
								J					AM						AO		
Ref. No.	Part No.			D	Description				BX50PZ	BX90PS	BX90PS*	BS90S*	BX543B	BX541B	DAS40B	BX540B*/BX540BV*	BX540BH*/BX540V*	BX194VP	BX145CP	BX143CP	
1001	A-1149-207-A	\$	#	Α	SSYLCD 14XGA(TMDT)(S	3)		•		•	•		•	•		•	•	•	•	
	A-1090-877-A	\$	#	L	CD UNIT14.1XGA	CLAA1	41XD(S)		1		•	•			_	-	1	1			
	A-1149-208-A	\$	#	A	SSYLCD 14SXGA	A+(TMD1	T)(S)			•	•	•		-	•		T-	1			
	A-1149-209-A	\$	#	A	SSYLCD 14SXGA	+(QDI)(S)		1		•	•			_	-	1	1			
1007	X-2108-074-1			R	J1 BEZEL DESP	LAY AS	SY			•	•	•	•	•	\top	•	•	T			
	X-2108-075-1			R	J1 BEZEL DESP	LAY C A	SSY		•		•	•		-	•		•	•	•	•	
1009	2-650-834-01			R	J1 LCD BK SSSF	P L			T	•	•	•	Ħ	٦,	•	T	T	T	П		
*	2-639-797-01			R	J1 LCD BK SPW	G L			•		•	•	•	•	•	•	•	•	•	•	
1010	2-650-833-01			R	J1 LCD BK SSSF	P R				•	•	•		1	•	T	T				
*	2-639-796-01			R	J1 LCD BK SPW	G R			•		•	•	•	•	•		•		•	•	
1016	1-964-214-11			Н	IARNESS LVDS (CABLE10	CHANNEL	RJ1	•		•	•	•	•	•	•	•	•	•	•	
	1-964-216-11			Н	IARNESS LVDS (CABLE20	CHANNEL	RJ1			•	•		_	_		1	1			
	1-964-218-11			Н	IARNESS LVDSC	ABLE2C	HANNEL	RJ1-T		•	•	•		-	•		1	1			
* 1019	2-639-800-01			R	J1 BRACKET CA	MERA			•		•	•		1	•	•	•	•	•	•	
1021	1-964-197-11			Н	IARNESS CAMER	A CABL	E FOR RJ	1	•	•	•	•	П	٦,	•	•	•	•	•	•	
1022	1-479-519-11			С	AMERA MODULE				•		•	•		-	•	•	•	•	•	•	
1025	2-669-240-01			R	J1 CAMERA CUS	HION			•		•	•	П	٦,	•	•	•	•	•	•	
1026	2-669-239-01			R	J1 BEZEL CAME	RA CUS	HION		•		•	•	П	-	•	•	•	•	•	•	
1027	2-656-360-11			L	ABEL ID (J)					•	•			\top	\top	Т	Т	П			
	2-656-360-21			L	ABEL ID (J)							•		_	_		1	1			
	2-656-360-01			L	ABEL ID (J)				•				П	T	Т	T	Т	T	Г		
	2-656-361-61			L	ABEL ID (U)									-	•		1	1			
	2-656-362-01			L	ABEL ID (L)										•	-	T-	1			
	2-656-364-22			L	ABEL ID (C)									_	_		1	1	•		
	2-656-364-32			L	ABEL ID (C)				1					_	+	1	1	1		•	
	2-656-364-42			L	ABEL ID (C)				T					7	T	T	T	T	Γ	-	
									[MA]	[MA]				Z IV					[MA]	[MA]	

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VGN-BX50PZ/BX90PS/BX90S (J)

VGN-AX570G/AX580G/BX540B/BX540BH/BX540BW/BX540W/BX541B/BX543B/BX545FP/
BX546B/BX560B/BX560BH/BX561B/BX563B/BX565B/BX567B/BX570BH/BX575B (AM)
VGN-BX194VP/BX195EP/BX195SP/BX195VP/BX195XP/BX196SP/BX196VP/BX196XP/BX197XP (EU)
VGN-BX143C/BX143CP/BX145CP/BX165CP/BX168GP/BX178CP (AO)

L-2. LCD (15-inch Model) - Made by QDI -

Re	f.No.	Part No.		Description
	1002 1003 1004	A-8119-617-A 2-639-789-01 2-650-837-01 2-650-836-01 2-650-838-01	#	ASSY LCD 15XGA(QDI) (S) RJ1 BUTTON HOOK RJ2 COVER ANTENA RJ2 COVER HINGE RJ2 HOOK LCD
:	1010	2-639-791-01 X-2108-073-1 2-650-841-01 2-650-840-01 2-639-803-01	&	RJ1 SPRING HOOK RJ2 HOUSING DISPLAY ASSY RJ2 LCD BK SPWG L RJ2 LCD BK SPWG R CAP BEZEL
:	1017 1018 1020 1023	2-669-237-01 2-669-238-01 1-478-805-31 2-639-795-01 1-754-402-11		ANTENNA, WIRELESS
	B3 B4 B9	A-1168-312-A 4-672-836-11 4-672-836-01 2-667-170-01 4-671-538-11		KAPTON TAPE (●3) CHINA SCREW (M2X8) GP SCREW .M2 SPECIAL HEAD,EG GRIP SCREW .M2 SPECIAL HEAD,EG GRIP CHINA SCREW (M2 6X6) SCREW (M2X4), SPECIAL HEAD
	B21	A-1168-311-A		CHINA SCREW (M2.6X6) GP

^(●3) Use the KAPTON TAPE

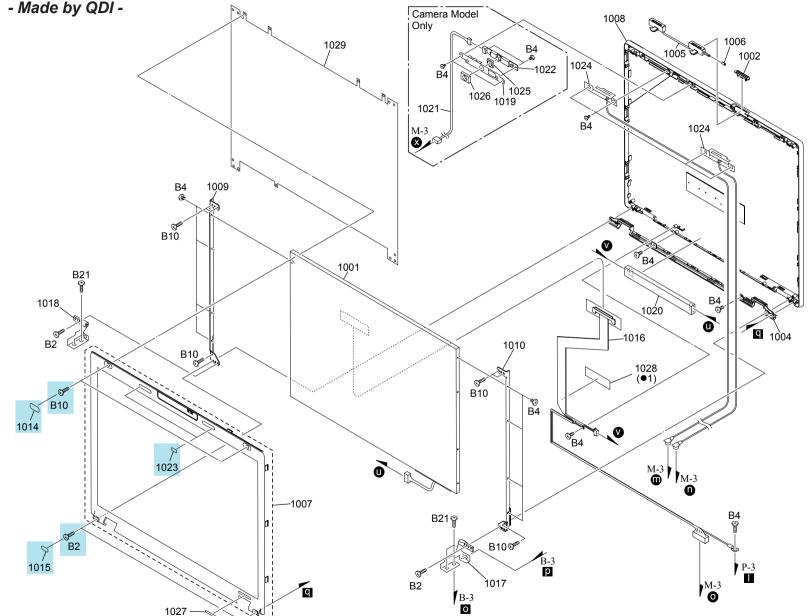
L-2

					E	U	Γ
				BX195XP	BX195VP	BX195EP	Ι×
Ref. No.	Part No.		Description	ل	Ш		
1007	X-2108-076-1		RJ2 BEZEL DISPLAY		•	•	L
	X-2108-077-1		RJ2 BEZEL DESPLAY C ASSY	•			
1015	2-669-241-01	&	RJ2 CAP HINGE	•	•	•	Г
	2-639-802-01		CAP HINGE				
1019	2-639-800-01		RJ1 BRACKET CAMERA	•	П		
1021	1-964-447-11		HARNESS CAMERA FOR RJ2	•	П	Г	
1022	1-479-519-11		CAMERA MODULE	•	П		
1025	2-669-240-01		RJ1 CAMERA CUSHION	•	П		•
1026	2-669-239-01		RJ1 BEZEL CAMERA CUSHION	•	П		
1027	2-656-363-11		LABEL ID (E)	•	П		Т
	2-656-363-81		LABEL ID (E)	 	11		

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VGN-BX50PZ/BX90PS/BX90S (J)

VGN-AX570G/AX580G/BX540B/BX540BH/BX540BW/BX540W/BX541B/BX543B/BX545FP/
BX546B/BX560B/BX560BH/BX561B/BX563B/BX565B/BX567B/BX570BH/BX575B (AM)
VGN-BX194VP/BX195EP/BX195SP/BX195VP/BX195XP/BX196SP/BX196VP/BX196XP/BX197XP (EU)
VGN-BX143C/BX143CP/BX145CP/BX165CP/BX168GP/BX178CP (AO)

L-3. LCD (15-inch Wide Model) △ [MA] - Made by QDI -

Re	ef.No.	Part No.		Description
	1004	2-639-789-01 2-651-365-01 2-651-367-01	\$ #	QDI 15.4WXGA LCD GP(S) RJ1 BUTTON HOOK RJ3 COVER HINGE RJ3 HOOK LCD RJ1 SPRING HOOK
:	1009 1010 1014	X-2108-489-1 2-650-843-01 2-650-842-01 2-639-803-01 2-639-802-01		RJ3 HOUSING DISPLAY RJ3 LCD BK SPWG L RJ3 LCD BK SPWG R CAP BEZEL CAP HINGE
:	1017 1018 1020	1-964-225-11 2-651-362-01 2-651-363-01 1-478-805-31 2-639-795-01	# &	HARNESS LVDS CABLE1CHANNELRJ3 RJ3 HINGE R RJ3 HINGE L INVERTER UNIT RJ1 CUSHION HOOK
	1024 1028 1029	1-754-402-11 2-671-194-01		ANTENNA, WIRELESS KAPTON TAPE (●3) RJ3 SHIELDING LCD
	B4 B10 B21	A-1168-312-A 4-672-836-01 4-671-538-11 A-1168-311-A A-1168-311-A	<&> <&>	SCREW ,M2 SPECIAL HEAD,EG GRIP

^(●3) Use the KAPTON TAPE

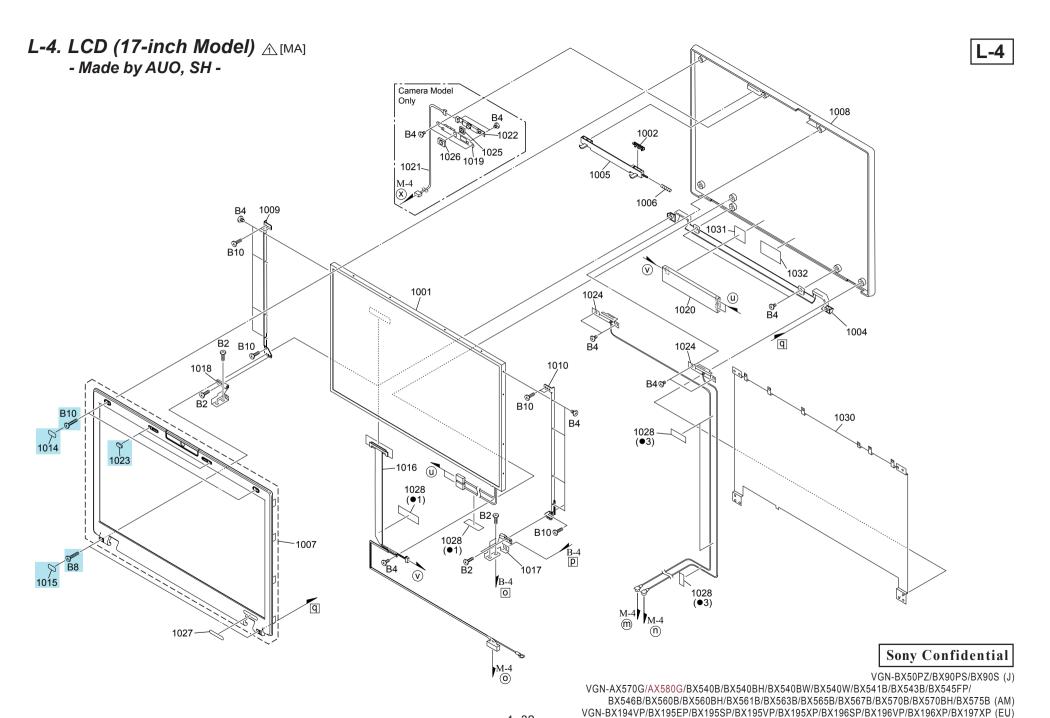


				_	_	_	M	_	_	L	EU	Ц	,	AO T
Ref.	No.	Part No.	Description	BX567B	BX565B	BX563B	BX561B	BX560B*	BX560BH*	BX196XP	BX196VP	BX196SP	BX168SP	X165C
10	07	X-2108-079-1	RJ3 BEZEL DESPLAY C ASSY		•	Г		•	•	•		•	•	•
		X-2108-078-1	RJ3 BEZEL DESPLAY ASSY	•		•	•	•	•	T	•	-		_
* 10	19	2-639-800-01	RJ1 BRACKET CAMERA		•	Г		•	•	•		•	•	•
10	21	1-964-448-11	HARNESS CAMERA FOR RJ3		•	Г		•	•	•		•	•	•
10	22	1-479-519-11	CAMERA MODULE		•	Г		•	•	•		•	•	•
10	25	2-669-240-01	RJ1 CAMERA CUSHION		•	Г		•	•			•	•	•
10	26	2-669-239-01	RJ1 BEZEL CAMERA CUSHION		•	Г		•	•			•	•	•
10	27	2-656-361-01	LABEL ID (U)	•		Г						П		Г
		2-656-361-11	LABEL ID (U)		•	_	Ī		T	I	T			[_
		2-656-361-21	LABEL ID (U)			•	Ī		T	I	T			[_
		2-656-361-31	LABEL ID (U)			_	•		T	I	T			[_
MA]		2-656-363-31	LABEL ID (E)			_	Ī		T	•	T			[_
		2-656-363-51	LABEL ID (E)								•			
		2-656-363-71	LABEL ID (E)									•		
VIA]		2-656-364-12	LABEL ID (C)			T	I		T-2==	I	Τ	[" "		

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VGN-BX143C/BX143CP/BX145CP/BX165CP/BX168GP/BX178CP (AO)

L-4. LCD (17-inch Model) △ [MA] - Made by AUO, SH -

Ref.No.	Part No.		Description
1004 1005 1006	2-639-789-01 2-651-405-01 2-651-406-01 2-639-791-01 X-2108-081-1		RJ1 BUTTON HOOK RJ5 COVER HINGE RJ5 HOOK LCD RJ1 SPRING HOOK RJ5 BEZEL DESPLAY C ASSY
1015 * 1017 * 1018	2-639-803-01 2-639-802-01 2-671-118-01 2-671-119-01 2-639-800-01	& &	
1023	1-478-805-31 1-964-199-11 1-479-519-11 2-639-795-01 2-669-240-01	&	
1031	2-669-239-01 2-671-162-01 2-671-160-01 2-671-161-01		RJ1 BEZEL CAMERA CUSHION KAPTON TAPE (© 3) RJ5 HEATSINK DISPLAY RJ5 TAPE INVERTER 1 RJ5 TAPE INVERTER 2
B4 B8	A-1168-312-A 4-672-836-01 A-1168-310-A 4-671-538-11	& <&>	

^(●3) Use the KAPTON TAPE



							ΑN	1	Ш	EU	AO
	Ref. No.	Part No.		Description	BX575B	AX570G	AX580G	BX570B*	BX570BH*	BX197XP	BX178CP
	1001	A-1087-141-A	\$ #	LCD_UNIT_(17WXGA)_(S)	•	•	•	•	•		
		A-1062-138-A	\$ #	LCD_UNIT_(2CFL-17WUXGA)_(S)				•	•	•	•
	1008	X-2067-940-1		RJ5 HOUSING DISPLAY ASSY	•	•		•	•	•	•
<u></u> [MA]		X-2108-739-1	 	RJ5 HOUSING DISPLAY GM ASSY			•				
	* 1009	2-650-845-01		RJ5 LCD BK AUO L	•	•	•	•	•		
	*	2-650-847-01	 	RJ5 LCD BK SH L				•	•	•	•
	* 1010	2-650-844-01		RJ5 LCD BK AUO R	•	•	•	•	•		
	*	2-650-846-01	 	RJ5 LCD BK SH R				•	•	•	•
	1016	1-964-228-11		HARNESS LVDS CABLE2CHANNELRJ5-A	•	•	•	•	•		
		1-964-229-11	 	HARNESS LVDS CABLE2CHANNELRJ5-S				•	•	•	•
	1024	1-754-402-11		ANTENNA, WIRELESS	•	•		•	•	•	
<u></u> [MA]		1-754-402-31	 	ANTENNA, WIRELESS FOR RJ5(17W)			•				•
	1027	2-656-361-81		LABEL ID (U)	•				П		
		2-656-361-71		LABEL ID (U)		•					
		2-656-363-01		LABEL ID (E)						•	
<u></u> [MA]		2-675-671-01	 	LABEL ID (U)			•				
<u></u> [MA]		2-656-364-71		LABEL ID (C)							•



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A-1. Accessories



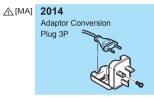




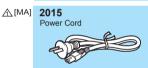






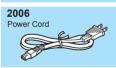


















2011
Power Cord

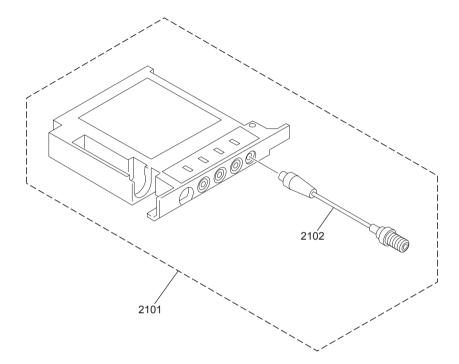
							J						Αľ	VI								El	J				Α	40
Ref. No.	Part No.			Description	BX50P7	BX90PS	BX90PS*	BX567B	BX565B	BX561B	BX543B	BX575B	BX546B	AX580G	BX545FP BX570B*	BX570BH*	BX560B* BX560BH*	BX540B*/BX540BV* BX540BH*/BX540V*	BX195VP	BX194VP BX104ED	BX197XP	BX196VP	BX196SP BX195SP	3X195XP	BX168GP	BX165CP	BX145CP	BX143CP
↑ 2001	1-479-114-51	s	&	ADAPTOR, AC	-		• •		• (•	• ($\overline{}$	•		• •		• •				• •	•	• •	•	• •	• (•	•
△ 2002	A-1149-585-A	\$	- &	BATTERY S-9212 (J)(S)	•	•	• •	\perp	-	1	+	++	-		+	+-	+-	+++	H	+	+	H	+	H	+-	H	+	+
Δ	A-1149-586-A	-	&	BATTERY S-9212 (U)(S)		+		•	•		•		•	•		•	• •		1-1		+	tt-		 			-	+
Δ	A-1149-587-A	\$	&	BATTERY S-9212 (E/I/C)(S)		11		+		+				++		++		 	•	•		•		•		•	•	•
△ 2003	A-1149-589-A	\$	&	BATTERY L-9211 (U)(S)	\pm	Н	H	+	+	+	\top	$^{+}$	\vdash	+	•	•	• •		Н	+	+	H	+	+	+	+	+	+
↑ 2004	1-827-481-21		&	(English, French, German, Spanish, Italian)POWER-SUPPLY CORD		Н		\top		\top	_	т	\vdash	\top	\top	\top	\top	\vdash	•	• •		•	• •	\vdash	+	+	+	+
↑ 2005	1-827-946-31		&	(English)CORD, POWER	\top	Н	\vdash	\top		\top	\top	\top	\vdash	\top			_		•	• •		•	• •	•	•	\forall	\pm	T
↑ 2006	1-829-237-21		&	CORD, POWER	\top	П	H	•	• (•	•	•	•	•	• •	•	• •	• •	Ħ	\top	\top	\sqcap	\top	\vdash	+	\vdash	+	7
2007	2-654-424-01		&	SP CAP	•	•	• •		• (•	•	•	•	•	• •			• •	•	•	• •	•	• •	•	• •	• (•	•
↑ 2011	1-790-732-81		&	CORD, POWER	•	•	• •	,		\top	\neg	П	\vdash	\top					Н	\top	\top	Ħ	\pm	Ħ	+	\Box	\pm	T
2012	A-1144-728-A			HEADSET(JP)		П	• •	,		\top		П		\Box					П		\top	П		П	\top	П	T	T
∆ 2013	1-823-935-61		&	(English)CORD, AC POWER		П		\top		\top		П		\Box					П		•			П	\top	П	\top	٦
∆ 2014	1-770-019-61		&	ADAPTOR, CONVERSION PLUG		П	П	П		П		П	\Box	П		П		П	П		\top	П	\top	П	•	П	Т	٦
∆ 2015	1-824-910-41		&	CORD, POWER		П		П		П		П		П					П		\top	П		П	•	П	\top	П
∆ 2016	1-827-945-31		&	CORD, POWER		П		П		П		П		П					П		Т			П	•	П	Т	П
∆ 2017	1-827-947-41		&	CORD, POWER																	\Box			П	\perp	•	•	•
∆ 2018	1-827-481-31		&	POWER-SUPPLY CORD		П		П		П		П		П					П		Т			•	•	П	Т	П
-	2-652-628-01		&	Instruction Manual (XP Professional, XP Home Editio	n)	•	•	•																		Ш		
-	2-652-629-01		&	Instruction Manual (XP Professional)	•			Ш		Ш		Ш		\perp					Ш			Ш	\perp	Ш	\perp	Ш	\perp	
-	1-816-429-12			(English)PHONE PLUG (GB)		Ш		Ш		Ш		Ш		Ш					•	•	•	•	• •	•	•	Ш	\perp	
-	2-652-946-11			LEGAL SAFETY, 3370(U)(C)		1	ļļ	•	•	•	• (•	•		•	4		ļļ				11		11.		 		_
-	2-659-797-11			LEGAL SAFETY, 3370(U)(C)		1	ļļ			4			•	•		4		ļļ				11		11.		 		
-	2-652-948-11			LEGAL SAFETY, 3370(U)(M)	\perp	Ш	Ш	Ш		Ш		Ш		Ш	•	•	• •	• •	Ш	\perp	\perp	ш	\perp	Ш	\perp	Ш		
-	2-652-945-11			WELCOME MAT, 3370(U)(C)			ļļ	•	•	•	• (•			•			 						 				
	2-659-471-11			WELCOME MAT, 3370(U)(C)			ļļ							•				 						 				
	2-652-947-11			WELCOME MAT, 3370(U)(M)		+									•	4	•	•										
	2-664-169-11			WELCOME MAT, 3370(U)(M)	_	Ш	Ш	\perp		ш	4	ш	\perp	\perp	_	\perp	•		Ш	_	_	\sqcup	4	\sqcup	4	$\perp \perp$	4	4
	2-652-330-11			TROUBLESHOOTING GUIDE(G)(C)		+										++									•		-	-
	2-652-330-31			TROUBLESHOOTING GUIDE(G)(C)	_	Н	\vdash	+	\perp	+	+	+	\vdash	+	_	+	+	-	Н	+	+	₩	+	₩	-	•	•	•
	2-652-333-11			SAFETY/REGULATIONS 1(G)(C)		+										++		 	++					 				•
-	2-652-333-21 2-652-352-11			SAFETY/REGULATIONS 1(G)(C)	+	Н	\vdash	+	+	+	+	+	\vdash	+	+	+	+	+	\vdash	+	+	\vdash	+	₩	+	-	4	-
				SPEC SHEET 3370(G)(C)		+		+				-+				++		┼┼	+		-+	┼┼		++	•		•	
	2-668-929-31 2-661-153-31			SPEC SHEET 3370(G)(C) SPEC SHEET 3370(G)(C)		+		+-+		+				+		+-+		++	+-+		-+	+-+		++	-+	-	-	-
	2-001-100-31			51 LG 511EE1 3370(G)(G)	Ц.	[MA]	Ш	щ	Щ.				Щ.	4		ш	A A	\perp	Ш		[MA]	щ		ш		WA]		Ц

This parts list contains two different types of parts.
The first type is the parts that are common to all models.
The other type is the parts that are different depending on each model.

・この部品表は、機種共通の部品と、機種によって使い分けが必要な部品に分かれています。

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A-2. Accessories △ [MA]





			A	.M
Ref. No.	Part No.	Description	AX570G	AX570G
2101	A-1157-924-A	\$ TV TUNER GP	•	•
2102	1-964-407-11	HARNESS TV TUNER CABLE	•	•
				[MA]

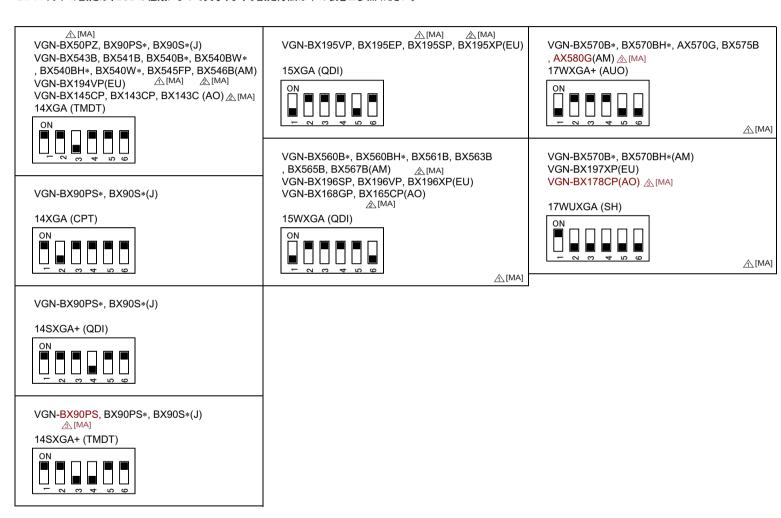
• This parts list contains two different types of parts. The first type is the parts that are common to all models. The other type is the parts that are different depending on each model.

この部品表は、機種共通の部品と、機種によって使い分けが必要な部品に分かれています。

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DIP Switch

DIP switch setting is different by the type of LCD. For setting methode, please refer to the table below. DIPスイッチの設定は、LCDの種類によって異なります。設定方法は下の表をご参照ください。



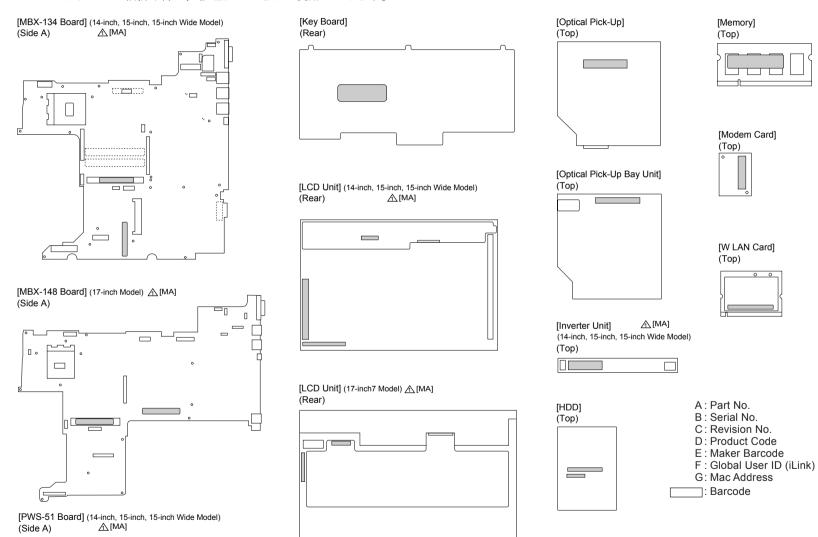
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CHAPTER 5. OTHERS

5-1. The Barcode Label

The hatched portion of the barcode label is used as the repair data.

バーコードラベルの網掛け部は,修理データとして使用いたします。



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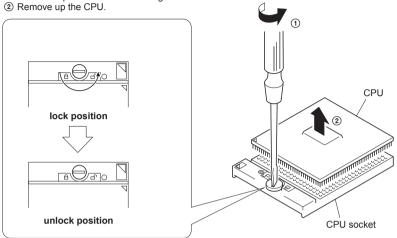
VGN-BX50PZ/BX90PS/BX90S (J)

VGN-AX570G/AX580G/BX540B/BX540BH/BX540BW/BX540W/BX541B/BX543B/BX545FP/ BX546B/BX560B/BX560BH/BX561B/BX563B/BX565B/BX567B/BX570B/BX570BH/BX575B (AM) VGN-BX194VP/BX195EP/BX195SP/BX195VP/BX195XP/BX196SP/BX196VP/BX196XP/BX197XP (EU) VGN-BX143C/BX143CP/BX145CP/BX165CP/BX168GP/BX178CP (AO)

5-2. Replacing the CPU

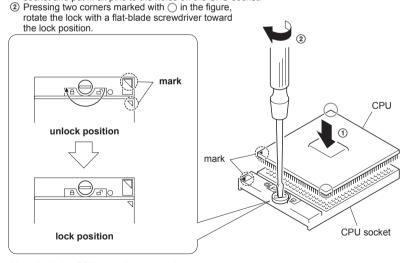
1. How to remove the CPU

 Rotate the lock with a flat-blade screwdriver toward the unlock position shown in the figure.
 Remove up the CPU.



2. How to install the CPU

① Position the mark on the CPU to the mark on the CPU socket and put in all pins to the holes on the CPU socket.



Note: Lock the CPU properly, or operation becomes unstable.

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VGN-BX50PZ/BX90PS/BX90S (J)

VGN-AX570G/AX580G/BX540B/BX540BH/BX540BW/BX540BW/BX541B/BX543B/BX543FP/BX546B/BX560BH/BX561B/BX563B/BX565B/BX567B/BX570B/BX570B/BX570BH/BX575B (AM) VGN-BX194VP/BX195EP/BX195SP/BX195VP/BX195XP/BX196XP/BX196XP/BX197XP (EU)

VGN-BX143C/BX143CP/BX145CP/BX165CP/BX168GP/BX178CP (AO)

List of VGN-BX Series (As of December, 2005)

Service Manual		Model	Name	
Parts No.	J	AM	EU	AO
	VGN-BX50PZ	VGN-AX570G	VGN-BX194VP	VGN-BX143C
	VGN-BX90PS	VGN-AX580G 🥽	VGN-BX195EP	VGN-BX143CP
	VGN-BX90PS*	VGN-BX540B*	VGN-BX195SP	VGN-BX145CP
	VGN-BX90S*	VGN-BX540BH*	VGN-BX195VP	VGN-BX165CP
		VGN-BX540BW*	VGN-BX195XP	VGN-BX168GP
		VGN-BX540W*	VGN-BX196SP	VGN-BX178CP <
		VGN-BX541B	VGN-BX196VP	
		VGN-BX543B	VGN-BX196XP	
		VGN-BX545FP	VGN-BX197XP	
9-876-420-XX		VGN-BX546B		
		VGN-BX560B*		
		VGN-BX560BH*		
		VGN-BX561B		
		VGN-BX563B		
		VGN-BX565B		
		VGN-BX567B		
		VGN-BX570B*		
		VGN-BX570BH*		
		VGN-BX575B		

*: CTO model

: Additional model

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Revision History

Suffix	Ver.	Date	Contents	QM No.
-01	Ver. 1	2005.10.17	First Edition	
-02	Ver. 2	2005.10.25	⚠ Front Cover (Model Lineup), Page 1-1, Page 1-2, Page 3-1, Page 3-2, Page 4-1, Page 4-3,	N2005_064AK
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-03	Ver. 3	2005.11.24	△ Front Cover (Model Lineup), Page 1-1, Page 1-2, Page 4-1, Page 4-3, Page 4-5, Page 4-7,	N2005_072AK
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			Page 4-35, Page 4-36, Back Cover	
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